Faculty of Pharmacy

Annual Report

July 1, 2010 - June 30, 2011

Educating Pharmacists in Manitoba since 1899
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Faculty of Pharmacy

Our Mission

The Faculty of Pharmacy is an institution that will create an educational environment that facilitates the integration of pharmacy scholarship in the areas of practice, research and service to effect optimal health outcomes for individuals and communities, and the advancement of the profession of pharmacy.

In striving to fulfill this mission the Faculty is dedicated to:

• Preparing competent graduates from both undergraduate and post-graduate programs who:
  • demonstrate confidence in their abilities to take responsibility for their role in optimizing the health status of society;
  • demonstrate the practical and professional application of knowledge, skills, and attitudes;
  • are critical thinkers;
  • demonstrate professionalism in the values, ethics and attitudes reflected in their practice;
  • demonstrate skills and processes of active life-long learners.

• Ensuring that ownership and responsibility for the Faculty’s educational outcomes are widely shared by both internal and external stakeholders:
  • Students share responsibility for their own academic and professional development;
  • Students are involved in the definition of education outcomes, curriculum development, evaluation and professional activities;
  • Faculty, staff, preceptors and students work collaboratively to achieve the mission of the Faculty;
  • All stakeholders are aware of curriculum components, research programs and governance/ accountability structures, as well as the goals and outcomes achieved by each.

• Collaborating with the profession to enhance the continuing competence of pharmacy practitioners in Manitoba.

• Fostering a reciprocal relationship with graduates to advance both the education program and the development of the profession.

• Working with all stakeholders to proactively influence health care system innovation, change and reform to optimize the health status of society.

• Encouraging collaborative models of research that support the strategic direction of the Faculty.

• Implementing transparent structures, systems and processes to manage and support ongoing change in both internal and external environments, including regular evaluation and feedback from stakeholders on the achievement of the Faculty mission.
Message from the Acting Dean

I am pleased to provide the Dean’s message for the 2010-2011 annual report. This will be my last report as the Acting Dean, as I am very pleased to announce the arrival of our new Dean, Dr. Neal Davies. Dr. Davies comes to us from Washington State University, but originally completed his undergraduate pharmacy degree in Alberta. He has a long history of pharmacy experience internationally. I invite you to read more about our new Dean on page 10 and join me in welcoming him and his family to the University of Manitoba.

It is also my pleasure to welcome our new faculty and staff. Dr. Harris Iacovides accepted a tenure track Assistant Professor position in July, and we have three new instructors, Drena Dunford (2nd year clinical courses and skills labs), Sheila Ng, (skills labs), Sonal Purohit (management course and skills labs) and Grace Frankel (skills labs). We also welcomed Ms. Lisa Zhang as Graduate Program Administrator.

Reflecting on the last year brings to mind several faculty accomplishments and special events. Because of their hard work and commitment, Dr. Silvia Alessi-Severini was granted tenure effective July 1, and Dr. Hope Anderson was promoted from Assistant to Associate Professor effective March 30. We were pleased to welcome the Minister of Health, the Honourable Theresa Oswald to bring greetings to the Association of Faculties of Pharmacy of Canada’s (AFPC) 2nd Annual Canadian Pharmacy Education and Research Conference hosted by the Faculty of Pharmacy in Winnipeg. The conference was extremely successful and I offer my thanks to the conference Chair, Dr. Silvia Alessi-Severini, the entire organizing committee, and the many volunteers that made the conference a success.

In 2010, we welcomed 55 bright and talented students into the Faculty. Our students continue to excel in their academic program as evidenced by their outstanding performance on the Pharmacy Examining Board of Canada certification exams. We are also proud of our students’ community involvement and sense of social responsibility. This year they have raised money for charitable organizations, helped design and build a hospital pharmacy in Nepal, participated in Northern Health Initiatives and connected with the community during Pharmacy Awareness Week.

Our researchers and graduate students continue to do excellent work at the faculty and with collaborators throughout the University and internationally. Their work has helped to increase our scientific knowledge in many therapeutic areas and impact the care of individuals in society. I invite you to take a few minutes to read more about their accomplishments beginning on page 46. Through their excellent work, we are helping to improve the lives of people in our communities.

On behalf of the Faculty, I would also like to extend my sincere thanks to our alumni and friends, who have been so generous with their support and have made a significant and meaningful contribution to the success of the Faculty. A successful program relies on countless individuals who volunteer their time, effort and resources to help make the faculty successful, and it is with sincere appreciation that I say thank you to everyone for your personal contributions.

Thank you and best wishes,

Lavern Vercaigne B.Sc.(Pharm.), Pharm.D., Professor & Acting Dean
Faculty of Pharmacy

Message from the Associate Dean (Academic)

Through the work and dedication of faculty, staff, external instructors/preceptors and students, 2010-2011 marked another successful and productive year for the professional pharmacy program. We maintained significant contributions to the University’s Interprofessional Education (IPE) initiatives, which promote IPE and collaborative practice in building stronger health care systems and delivery. Activities focused on developing faculty facilitators, and planning student learning activities in the area of health promotion.

During the spring, the Faculty initiated a review of the Structured Pharmacy Experiential Program (SPEP). An SPEP retreat was held in March for internal and external stakeholders including faculty, staff, students, community and hospital pharmacists, pharmacy managers, professional associations and other health sciences faculty. The half day session focused on obtaining feedback on the current program and ideas for improving SPEP delivery in the future. Suggestions included increasing flexibility in the SPEP structure, reviewing course objectives for years one through four and introducing electronic student learning portfolios. Follow-up work is underway.

The Faculty continued with “curriculum mapping” which began in 2009 in collaboration with the University Teaching Services. Our experience was presented at several university workshops for academic administrators and was featured at the Canadian Pharmacy Education and Research Conference held in Winnipeg in June. The mapping process, which links course objectives and student learning to national educational outcomes for entry-to-practice has evolved into a valuable tool for describing and evaluating the pharmacy program. The curriculum map will also assist in exploring the implications and opportunities associated with topical issues such as expanded scopes of practice for pharmacists and degrees offered.

In closing, I would like to extend my thanks to the Curriculum Management Committee and all who contribute to the quality pharmacy education at the University of Manitoba.

Dr. Sheryl Zelenitsky, Professor, Faculty of Pharmacy, University of Manitoba
Faculty & Staff 2010-2011 (full-time or faculty based)

Dean
Neal M. Davies, B.Sc.(Pharm.)(Alta.), PhD(Alta.), R.Ph. – effective September 1, 2011

Acting Dean
Lavern M. Vercaigne, B.Sc.(Pharm.)(Man.), PharmD(Tor.) – until August 31, 2011

Associate Dean (Academic)
Sheryl Zelenitsky, B.Sc.(Pharm.), PharmD(Buffalo) – until August 31, 2011

Associate Dean (Research)
Yuewen Gong, B.M.(Beijing), M.Sc.(China), PhD

Professors
Frank Burczynski, B.Sc.(Pharm.), M.Sc., PhD
David Collins, Dip.Pharm.(NZ), M.S.(Minn.), PhD(Minn.)
Yuewen Gong, B.M.(Beijing), M.Sc.(China), PhD
Ruby Grymonpre, B.Sc.(Pharm.), PharmD(Minn.)
Xiaochun Gu, B.Sc.(Pharm.), M.Sc., PhD(China)
Brian Hasinoff, B.Sc.(Hons.), PhD(Alta.)
Keith J. Simons, B.Sc.(Pharm.), M.Sc.(Man.), Ph.D.(Wash.)
Lavern M. Vercaigne, B.Sc.(Pharm.)(Man.), PharmD(Tor.)
Sheryl Zelenitsky, B.Sc.(Pharm.), PharmD(Buffalo)

Associate Professors
Hope Anderson, B.Sc., PhD
Shawn Bugden, B.Sc.(Pharm.), M.Sc.
Lean Chee, B.Sc.(Biochemistry), PhD
Alan McIntosh, B.Sc.(Alta.), PhD(Queen’s)
Mike Namaka, B.Sc.(Pharm.), M.Sc., PhD

Assistant Professors
Silvia Alessi-Severini, B.Sc.(Pharm.)(Parma), PhD(Alta.)
Christine Davis, B.Sc.(Pharm.), PharmD
Emmanuel Ho, B.Sc.(Hons.)(Tor.), PhD(Tor.)
Harris Iacovides, B.Sc.(Pharm.), M.Sc., PharmD(Tor.) – effective July 1, 2011

Instructors
Joanna Ayotte, B.Sc.(Pharm.), CAE
Faculty of Pharmacy

Faculty & Staff 2010-2011 ... cont.

**Instructors ... cont.**
Kelly Brink, B.Sc.(Pharm.)
Dennis Cote, B.Sc.(Pharm.), M.Sc., PhD
Drena Dunford, B.Sc.(Pharm.) – effective August 15, 2011
Grace Frankel, B.Sc.(Pharm.) – effective September 19, 2011
Nancy Kleiman, B.S.P.(Sask.), MBA(Athabasca)
Christopher Louizos, B.Sc.(Pharm.)
Sheila Ng, B.Sc.(Pharm.) – effective August 15, 2011
Sonal Purohit, B.Sc.(Pharm.) – effective September 1, 2011
Kristine Petraslo, B.Sc.(Pharm.) – resigned effective June 30, 2011
Kelly Senkiw, B.S.C.(Pharm.) – resigned effective July 31, 2011

**Professional / Research Associate**
Emma Frost, B.Sc.(Hons.)(UK), PhD(UK)
Kim O’Hara, B.Sc.(Alta.), PhD(Dartmouth Medical School)
Xing Wu, B.Sc.(Biochem)(China), Dip.Fermentation(China), PhD(Biochem)(Switzerland)

**Faculty Administrative Staff**
Janice Bailey, Faculty Manager
Danielle Dunbar, Donor Relations
Patricia Kopp, Technical Support Manager
Cheryl Lee, Undergraduate Program Administrator
Terri Martin, Office Assistant – resigned effective September 2, 2011
Blair Nicholls, Donor Relations
Joanne Ogilvie, Assistant to the Dean
Mark Rabnett, Librarian
Lisa Thomson Stifora, Stewardship & Communications Officer
Lisa Zhang, Graduate Program Administrator

**Technical Staff**
Steve Birch, Computer Technician
Chrissy Laqui, Laboratory Technician
Daywin Patel, Laboratory Technician
Cathy Zahradka, Laboratory Technician

**Utility Caretakers**
Elaine Hill
Joe Lecuyer
Nora Ramos
Faculty & Staff 2010-2011 (Emeritus, Clinical and External)

Dean Emeritus
John Steele, B.Sc., PhD(Glasgow)

Professors Emeritus
Colin Briggs, B.Pharm., PhD(London), FRPharmS

Senior Scholar
Colleen Metge, B.Sc.(Pharm.)(Alta.), PhD(Maryland)

Assistant Professors
Albert Friesen, B.Sc., M.Sc., PhD
Kennedy Mang’era, B.Sc.(Pharm.)(Kenya), M.Sc.(Belgium), PhD(Belgium)
Mark Rabnett, B.A.(Hons.)(Tor.), M.L.S.(Toronto)
Shirley Treacy, B.S.P., M.Sc.(Sask.)

Clinical Associate Professor
Robert Ariano, B.Sc.(Pharm.), PharmD(Minn.)

Clinical Assistant Professors
Alvaro Bras, B.Sc.(Chem.), PhD
Anna Coulter, B.Sc.(Pharm.), PharmD(Ohio)
Jamie Falk, B.Sc.(Pharm.), PhD(UBC)
Mark Friesen, B.Sc.(Pharm.), M.Sc., PharmD(Tor.)
Rhonda Fusee, B.Sc.(Pharm.)
Alfred Gin, B.Sc.(Pharm.), PharmD(SUNYAB)
Kimi Guilbert, B.Sc.(Pharm.), M.Sc.
Nick Honcharik, B.Sc.(Pharm.), PharmD(SUNYAB)
Pat Honcharik, B.Sc.(Pharm.), PharmD(SUNYAB)
Kyle MacNair, B.Sc.(Pharm.)
Colette Raymond, B.Sc.(Pharm.)(Alta.), PharmD(BC), M.Sc.(Man.)
Amy Sood, B.Sc.(Pharm.), PharmD(Tor.)
Peter Thomson, B.Sc.(Pharm.)(UBC), PharmD(Wayne State)
Rick Thurmeier, B.Sc.(Pharm.)
Pat Trozzo, B.Sc.(Pharm.)
Wally Watral, B.Sc.(Pharm.), PharmD
Faculty of Pharmacy

Faculty & Staff 2010-2011 … cont.

Clinical Assistant Professors … cont.
Lori Wazny, B.Sc.(Pharm.), PharmD
Donna Woloschuk, B.Sc.(Pharm.)(Sask.), PharmD(Cincinnati)

Adjunct Professors
Gary Van Domselaar, B.Sc.(Chemistry), PhD(Alta.)

Sessional Instructors
Brock Cordes, B.A., M.B.A.
Ross Forsyth, B.Sc.(Pharm.)
Ronald Guse, B.Sc.(Pharm.)
Susan Lessard-Friesen, B.Sc.(Pharm.)
Kyle MacNair, B.Sc.(Pharm.)
Kim McIntosh, B.Sc.(Pharm.)

External Appointments
Robert Biscontri, Accounting & Finance
Ed Kroeger, Physiology
William Leslie, Internal Medicine
Hassan Marzban, Human Anatomy & Cell Science
Mohammed Moghadasian, Human Nutritional Sciences
Grant Pierce, Physiology
Daniel Sitar, Internal Medicine / Pharmacology
Elizabeth Worobec, Microbiology
The University of Manitoba Faculty of Pharmacy is pleased to announce the appointment of Dr. Neal Davies as Dean effective September 1, 2011.

Dr. Davies received his undergraduate degree in Pharmacy from the University of Alberta in 1991. In 1996, he completed his PhD in pharmaceutical sciences, specializing in pharmacokinetics, at the University of Alberta. From 1995 to 1998, he undertook postdoctoral training in pharmacology and toxicology at the University of Calgary. He then joined the University of Sydney as a lecturer in 1998. In 2002, he returned to North America to join the Washington State University’s (WSU) College of Pharmacy as an academic staff member, where he has held the positions of Director of the Pharmaceutical Sciences Graduate Program, Director of Professional and Undergraduate Research and Director of Summer Undergraduate Research Fellowship program. He has been involved in the direction of several administrative and operational initiatives including: strategic planning, faculty accreditation review processes; organizing the College retreat, establishment of a pharmaceutical sciences graduate program; and initiation of the development of a comprehensive knowledge exam for the College’s PharmD program. Dr. Davies also championed the development of a College wide Pharmacy Research Day and has played key roles in faculty and graduate student recruitment and success. He has been active on numerous university-wide committees, including service as a member of WSU’s Faculty Senate and Chair of the Institutional Animal Care and Use Committee.

Throughout his tenure at WSU, Dr. Davies strived to maintain the highest standard of teaching and research, and his achievements in both areas have been recognized through numerous awards and honours including several from the United States Pharmacopeia. He has taught at the undergraduate and graduate levels, and has an ongoing and significant commitment toward graduate supervision and training. He has been at the forefront of the use of technology in the classroom, has re-engineered curricular content and maintained a high standard in student mentoring. Dr. Davies also maintains an active and highly collaborative externally-funded research program, focused on pharmacokinetics and drug delivery as well as basic and clinical pharmaceutical sciences which have attracted National Institutes of Health and Industry funds. He holds five patent applications and has disseminated his work broadly through numerous journal publications, book chapters, abstracts, and invited conference presentations.

Dr. Davies has been a registered pharmacist with the Alberta College of Pharmacists since 1991. He is active in numerous professional organizations/associations, including the Canadian Society of Pharmaceutical Sciences and the American Association of Pharmaceutical Scientists, and serves as a reviewer and on the editorial board of several pharmaceutical and pharmacological science journals.
New Faculty and Staff

The Faculty of Pharmacy is pleased to announce the following new faculty and staff appointments.

**Dr. Harris Iacovides** became a full-time Faculty member effective July 1, 2011. Iacovides completed the majority of his academic training at the University of Manitoba obtaining a Bachelor of Science in Microbiology in 1999, Bachelor of Science in Pharmacy in 2003 and Master of Science in Pharmacy in 2006. Iacovides obtained his PharmD at the University of Toronto in 2010. Iacovides was also an instructor at the Faculty in the 2010-11 academic year for the undergraduate clinical courses.

**Drena Dunford** joined the faculty effective August 15, 2011 as a full-time clinical instructor. She began her post-secondary education at the University of Waterloo, earning a Bachelor of Science (Honours) in 1999. Dunford then earned a Bachelor of Science in Pharmacy from the University of Toronto in 2003. She began her career as a Pharmacist at Shoppers Drug Mart in Winnipeg, primarily at the Unicity location. In 2006, Dunford accepted a position with the primary care medical clinic located on 17 Wing, Canadian Forces Base Winnipeg. In 2008, Dunford obtained the status of Certified Diabetes Educator. Education has always been important to her, and for the past three years, that commitment has led to her earning the Certificate of Achievement in Life Long Learning in Pharmacy from the Professional Development Committee of the Manitoba Pharmaceutical Association.

**Sheila Ng** joined the Faculty of Pharmacy on August 15, 2011 as a part-time Pharmacy Practice Instructor. She graduated from The University of Manitoba in 2004 with a Bachelor of Science in Pharmacy. After graduation she was licensed with the College of Pharmacists of British Columbia and practiced with Shoppers Drug Mart in Powell River, BC. Here Ng was involved in delivering a wide range of pharmaceutical services including methadone maintenance therapy and medication management; and was actively involved in collaborative care with the local First Nations health authority, long-term care and extended care facilities. She also participated in public education delivering education in-services to nursing staff and health information seminars in the community. Ng looks forward to continuing her community practice in Winnipeg.

**Lisa Zhang** joined the Faculty effective June 17, 2011 as the Faculty’s new Graduate Program Administrator. Zhang’s most recent appointment was with the Faculty of Human Ecology and the St. Amant Research Centre where she provided assistance in data collection, preparation of reports and working with graduate students among other duties. Zhang also recently attained her Master’s Degree from the University of Manitoba.
New Faculty and Staff … cont.

Grace Frankel joined the Faculty of Pharmacy in September 2011 as a part-time Pharmacy Practice Instructor. She graduated from the University of Manitoba in 2009 with a Bachelor of Science in Pharmacy. Frankel is currently working on her Doctorate of Pharmacy at the University of Toronto by distance education. After graduation in 2009, Grace worked for approximately one year in community practice at Rexall. She currently works part-time at St. Boniface Hospital in neonatal intensive care. Her primary interests are; infectious disease and cardiology. She enjoys teaching and has been a guest lecturer for the IPG program as well as for Robertson Technical College for the pharmacy technician program.

Sonal Purohit joined the Faculty of Pharmacy in September 2011 as a part-time Pharmacy Practice Instructor. Purohit earned a Bachelor of Pharmacy from the University of Manitoba in 2001, and has worked as a community pharmacist for 10 years. She began her career as a staff pharmacist at Shoppers Drug Mart Kildonan Place. In 2002 she was appointed Acting Pharmacist Owner of that pharmacy and, following completion of the LEAD program with Shoppers Drug Mart, was appointed Pharmacist Owner of that location. Purohit has demonstrated a strong commitment to her profession, acting as a pharmacy preceptor for seven years and volunteering for the Career Bridge and Biomedical Internship course with Kildonan East Collegiate, and acting as an Invigilator for the OSCE Licensing Examination through the Pharmaceutical Board of Canada. She is also actively involved with her community, delivering health clinical presentations to various groups. Purohit received the Young Leadership Award in 2003 and an Outstanding Pharmacy Practice Recognition in 2005.

Tenure and Promotions

Dr. Silvia Alessi-Severini was granted Tenure effective July 1, 2011.

Dr. Hope Anderson was promoted from Assistant to Associate Professor effective March 30, 2011.
I am pleased to report on my administrative leave (2010) following my appointment as Associate Dean (Academic) from 2004 to 2009.

My research interest is in optimizing antimicrobial pharmacodynamics in the treatment of high risk-patient populations. During my leave, I focused on completing and publishing existing work and initiating new projects. I also built on important collaborations with clinicians and researchers in the Faculty of Pharmacy, Faculty of Medicine (Sections of Critical Care, Infectious Diseases, Medical Microbiology and Nephrology) and at the St. Boniface General Hospital.

One area of study involved treatments for infections caused by the “super-bug”, methicillin-resistant Staphylococcus aureus. MRSA is an increasing health concern in the community and hospital settings as infection and resistance rates rise and treatment options diminish. The optimal use of existing therapies such as vancomycin is critical to maximizing their current benefits and preserving their future effectiveness. We completed lab research to detect emerging resistance in MRSA during antimicrobial therapies similar those used in patients. By characterizing the potential role of suboptimal dosing, this work addressed increasing concerns regarding poor treatment outcomes with vancomycin and other agents in the clinical setting. We conducted several studies to translate this and other research to the treatment of MRSA infections in high-risk populations. These studies included developing a new vancomycin dosing protocol for hemodiaylsis patients and characterizing better antimicrobial dosing strategies for the critically ill. Our works have been presented at several conferences including the Interscience Conference on Antimicrobial Agents and Chemotherapy (2010, 2011) and the Annual Meeting of the Infectious Diseases Society of America (2011).

In closing, I would like to extend my appreciation to the Faculty and University for their support in accommodating my administrative leave during 2010.
Administrative Leave Reports … cont.

Keith J. Simons, PhD, Professor, Faculty of Pharmacy, University of Manitoba

While on leave, I retained some administrative responsibilities with the Pharmacy Endowment Committee, the WRHA/U of M Library Program Liaison Committee, and the University of Manitoba Alumni Council. Additionally, I fulfilled all my responsibilities for undergraduate teaching in Pharmacokinetics (PHRM2280) and Clinical Pharmacokinetics (PHRM3500).

The extra time available for research was greatly appreciated. It was used to accelerate our epinephrine projects, focusing on the development of a novel non-invasive method of giving epinephrine during first-aid treatment of anaphylaxis in the community. The sublingual tablet formulations that were developed by our research group as an alternative to intramuscular injections for administering epinephrine have been significantly improved. The bitter taste of epinephrine has now been effectively masked. The rapidity of epinephrine dissolution has been increased to 100% in one minute, as assessed using a novel simulated oral cavity dissolution method. The in vitro evaluation of these 2nd- and 3rd-generation epinephrine tablets for sublingual administration has been completed. The rate and extent of epinephrine sublingual absorption using the novel tablets is being investigated in our validated rabbit model. Data on these 2nd- and 3rd-generations of tablets have been submitted to the University of Manitoba Technology Transfer Office for a new patent application.

Additional epinephrine projects focused on evaluation of the integrity of epinephrine autoinjector delivery systems and assessment of the stability of epinephrine solutions in different types of autoinjectors that were past expiry date and stored under different ambient conditions of temperature and light.

An invited review of epinephrine and its use in anaphylaxis was published, as were three original research papers and five published abstracts.

During my leave I was also able to participate in a greater number of international research conferences than usual including: The American Association of Pharmaceutical Scientists (AAPS) Conference in New Orleans, LA, November 2010, the European Academy of Allergology and Clinical Immunology (EAACI), London, UK, June 2010, and the Asia-Pacific Conference on Allergy and Clinical Immunology (APCACI), Singapore, November 2010. At all these meetings, our presentations on epinephrine research were well-received, and I had the privilege of interacting with pharmacy, pharmacology and allergy colleagues from North America, Europe, Asia, and Australia. A recurring theme in all the discussions regarding the first-aid treatment of anaphylaxis in the community was the need for a non-invasive epinephrine delivery system that will have enhanced patient acceptability in comparison to autoinjectors.
Faculty & Staff

Outstanding Teacher Awards 2010-2011

2010 UMSU/UTS Students’ Teacher Recognition
Kristine Petrasko, Instructor, Faculty of Pharmacy as chosen by fourth year student Farah (Joy) Rashid.

Outstanding Teacher 1st year
Dr. Dennis Cote, Instructor

Outstanding Teacher 2nd year
Kristine Petrasko, Instructor

Outstanding Teacher 3rd year
Chris Louizos, Instructor

Bristol-Myers Squibb Outstanding Teacher 4th year
Dr. Lavern Vercaigne, Professor & Acting Dean

From left: Darryl Toews; Kristine Petrasko; Farah Joy Rashid; Jordan Ducheminsky; and Lavern Vercaigne

From left: Regional Business Manager, Bristol-Myers Squibb, Stephen Ackerman; Outstanding Teacher, fourth year, Lavern Vercaigne; and Sheryl Zelenitsky
Manitoba hosts CPERC Conference

The Faculty of Pharmacy hosted the 2nd Canadian Pharmacy Education and Research Conference (CPERC)/2 ème Congrès sur l’enseignement et la recherche en pharmacie au Canada (CERPC) in conjunction with the 68th Annual General Meeting of the Association of Faculties of Pharmacy of Canada (AFPC). The conference, entitled “Pharmacy at The Forks: Education and Research Coming Together” took place from June 5-7, 2011 at the Fort Garry Hotel in Winnipeg.

The Planning Committee, chaired by Dr. Silvia Alessi-Severini, was comprised of faculty members Dr. Hope Anderson, Dr. Shawn Bugden, Kelly Brink, Dr. Ruby Grymonpre, Nancy Kleiman, Dr. Alan McIntosh, Dr. Mike Namaka, Dr. Lavern Vercaigne and Dr. Sheryl Zelenitsky and AFPC Executive Director, Dr. Harold Lopatka. Invaluable administrative assistance was provided by Terri Martin. Pharmacy students, Sarita Jha and Bolanle Akinwumi graciously volunteered their help at the registration desk.

The Faculty was honoured to have Manitoba’s Minister of Health, the Honourable Theresa Oswald, bring greetings at the conference opening reception on June 5.

The official program started on June 6 with a session on Interprofessional Education, chaired by Dr. Ruby Grymonpre. Dr. John Gilbert from the Canadian Interprofessional Health Collaborative delivered the keynote address entitled “IPE: six questions and two wicked problems”. A panel discussion followed which involved representatives from various schools of pharmacy.

AFPC new educational outcomes, curriculum mapping and program evaluation were discussed in a session chaired by Zelenitsky, which featured a presentation by our UTS Director, Dr. Cheryl Kristjanson.

A satellite continuing education evening event, chaired by Bugden, President of the Manitoba Pharmaceutical Association, was held at the Apotex Centre. The session was well attended by conference participants and pharmacists. Topics presented included pharmacy vaccine administration and patients’ safety initiatives.

On June 7, the deans of the faculties of pharmacy at Virginia Commonwealth University and Université de Montréal,
Manitoba hosts CPERC Conference ... cont.

Drs. Victor Yanchick and Pierre Moreau, brought, respectively, an American and a Canadian perspective on how to integrate basic sciences into new pharmacy curricula. The session was chaired by Manitoba’s then-Acting Dean, Vercaigne.

The conference also showcased the research conducted at all faculties of pharmacy in Canada. The poster session, chaired by McIntosh who was in charge of the abstracts evaluation and judging, gave presenters the opportunity to share and discuss their research findings with colleagues across the country.

National award winners also presented their research in a special session on the second day of the program.

Presentations and round-table discussions on interprofessional clinical placements and preceptorship programs, chaired by Brink and Kleiman concluded the conference program.

The closing awards dinner took place at the Forks Market where guests enjoyed a taste of Manitoban food and hospitality while celebrating the achievements of all national winners, including two of Manitoba’s students, Yining Li and Samaa Al-Rushaid.

Faculty of Pharmacy admission changes in 2011

The past year saw the implementation of some major changes to the admissions process for our Faculty. The changes were passed by Senate in 2009 but were not implemented until 2011 to give prospective students proper notice of these changes. The changes made to the process include a simplified method for calculating the adjusted grade point average (AGPA) as well as only allowing one repeated course to be considered in the calculation of the core GPA (core courses considered in this calculation are Chemistry, Biology and Calculus). It is felt that these changes will give a “true” picture of the students’ academic capabilities as the calculation takes into consideration all courses completed. In the past, a number of students have repeated more than one core course to improve their average and increase their chances of acceptance.

We also improved the process for grading the critical thinking essay. Evaluation procedures and training were provided by an expert in the field who also reviewed all essays to ensure standardization.

There are a number of exciting new changes being proposed to Senate in the upcoming year that, if passed, will further improve the admissions process for prospective students.

Submitted by Nancy Kleiman, Pharmacy Practice Liaison & Instructor
Team Pharmacy rakes in donations for MS research

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

At the 2010 MS Walk in April, leaders of Team Pharmacy outdid themselves, forming a team of 110 members consisting of pharmacy students, faculty and their families and friends. This dedicated group raised over $18,000 from pledges and fundraising activities. Three thousand dollars more than the $15,000 raised in 2009!

“The students have done a remarkable job of getting involved in their community as a team,” said Petrasko. “They have volunteered their time on countless occasions to help with various fund-raisers throughout the year. Their passion is strong and should help to see them through to their goal of $20,000 this year. I am very proud of them!”

All this hard work has earned Team Pharmacy high praise from the MS Society. In November 2010 they were named Top Corporate Team, Largest Corporate Team and qualified as a Diamond Team, for their participation and fundraising success at the MS Walk. Congratulations Team Pharmacy!

Pharmacists rank most trusted among professionals

Pharmacists beat out other professions such as doctors, teachers and pilots to rank as Canadians’ most trusted professionals. The information is courtesy of a January, 2011 survey conducted by Ipsos Reid on behalf of Post-Media News.

The Faculty of Pharmacy was happy to see this outcome. Then-Acting Dean, Lavern Vercaigne said, “We are pleased to see the results of the Ipsos Reid survey indicating that pharmacists continue to be a very trusted profession. Professionalism is an essential component of our students’ training and I’m happy to note the public’s trust in these valued health care professionals.”

Among those polled, 79 per cent ranked pharmacists between five and seven on a seven-point scale of trustworthiness. The next closest professions were doctors and airline pilots, which tied with 75 per cent of those surveyed ranking them highly in terms of trustworthiness.
Pharmacist Awareness Week puts students to work

The 2011 Pharmacist Awareness Week (PAW), March 6-12, was one of the most successful in years, thanks to the dedicated efforts of outstanding pharmacy students. Led by fourth year student Laura Delavau and second year student Sara Smith, who sat on the PAW subcommittee, this year’s event saw over 70 pharmacy students put themselves ‘up for hire’ for the profession and a very good cause.

Students volunteered their time to a variety of initiatives during the week-long event. Some promoted the “It’s Safe to Ask” medication card program created in part by the Manitoba Institute for Patient Safety. Others created Cough/Cold and Smoking Cessation educational displays that promoted the role of the pharmacist and could be used in local pharmacies. They also gave presentations to 15 city and rural pharmacies and three schools. Their work did not go unrecognized. In thanks for their efforts, each pharmacy placement site donated $150 towards Team Pharmacy’s efforts in support of the MS Society, raising over $2,500 towards MS!

This year’s PAW theme was “Pharmacist’s Advice: Helpful with every dose.” The focus was to ensure that patients are aware of what pharmacists can do for them. Our students’ efforts will certainly help to do so. In addition to their community efforts, they covered the University’s Brodie Centre with displays for much of the week. We salute them for their commitment and enthusiasm!

The Faculty of Pharmacy thanks the Manitoba Society of Pharmacists for providing this year’s PAW banner and signage for the stores.

Submitted by Kristine L. Petrasko, Instructor, Faculty of Pharmacy

Pharmacy students man displays in the Brodie Atrium on Bannatyne Campus
Students

White Coat Ceremony welcomes new students

Fifty-five first-year University of Manitoba pharmacy students took their first steps toward becoming pharmacists on September 27, 2010 during the annual White Coat Ceremony.

The Ceremony, a highly symbolic, tradition-filled event, culminated with each student receiving a new white lab coat that symbolized their entry into the pharmacy profession. Students then stood and recited the “Oath of a Pharmacist” in which they promised to show compassion and respect throughout their careers and to set worthy examples in the application of humanistic principles.

Manitoba Pharmaceutical Association president and Faculty of Pharmacy associate professor, Shawn Bugden addressed the new students at the event, advising them on the road ahead.

The ceremony also offered a chance to recognize some of the outstanding accomplishments of pharmacy students and faculty. Dr. Lavern Vercaigne, acting dean, and Janice Bailey, award committee chair, presented the Dean’s Honour List as well as the 2009-10 recipients of student awards. Vercaigne then moved on to distinguish three outstanding faculty members receiving the Outstanding Teacher Awards: Nancy Kleiman for first year, Dr. Lean Chee for second year and Dr. Sheryl Zelenitsky for third year.

Finally, the Preceptor of the Year Awards were presented by Nancy Kleiman and Dr. Silvia Alessi-Severini for the 2009-10 academic year. Community Preceptor of the Year was presented to Nancy Remillard [BSc(Pharm)/96] of Munroe Pharmacy. Hospital Preceptor of the Year was presented to Dr. Rob Ariano [BSc(Pharm)/80] of St. Boniface General Hospital. Pharmacy Team of the Year went to the CancerCare Manitoba pharmacy program; and Electives Program Preceptors of the Year was given to Michael Roberts and Dr. Jeffrey Grice, both University of Queensland Therapeutics Research Centre. We congratulate all these excellent preceptors!
Students

Undergraduate Enrolment

In 2010/2011, 55 students were offered positions in the Pharmacy program. Of these, 39 had attended an urban high school, and 13 had attended rural high schools in Manitoba; the remaining three had attended high school in other provinces.

Nine university graduates were admitted to first year, and of the balance, four students had completed three or more years of university study, 16 students at least two years of study, and the remaining 26 had completed the required one year university program.

<table>
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<td>34 (62%)</td>
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<tr>
<td>Total</td>
<td>117 (58%)</td>
<td>85 (42%)</td>
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</table>

The total number of applications for entry to the Faculty in 2010/2011 was 306, compared to 232 in 2009/2010.

Graduates

The Faculty graduated 42 undergraduate students in 2010/2011.

Mark Allan  Crystal Gennick  Russell Mutch  Yvette Sanders
Ivana Anusic  Hidy Girgis  Bryan Neufeld  Olena Serwylo
Jennifer Attwood  Adrian Gulowaty  Reginald Newman  Kristopher Soderman
Ignacio Ayala  Kateryna Haluk  Thanh Nguyen  Anna Spirkina
Manjit Bains  Krysten Harder  Amanda Nunn  Kathleen Vincent
Angel Bhathal  Terri Jarema  Nadia Pawlosky  Ashley Walus
Jovanka Bodiroga  Komal Kaler  Ryan Petersen  Jing Wang
Craig Bowles  Laurna Kelemen  Kirkland Petrin  Vladimir Yurkov
Britney Bye  Catherine Lacroix  Grant Pidwinski  Angela Zilke
Michael Chablink  Colin Lafreniere  Ralph Quejada
Julia Fiorino  Josee-Anne LeDorze  Farah Rashid
Interprofessional Education Initiative

The Interprofessional Education (IPE) Initiative, led by Dr. Ruby Grimonpre, was created in 2008 by the deans of the health sciences academic units within the university. The IPE Coordinator answers directly to the Vice-President (Academic) and Vice-Provost (Programs). The Steering Committee, comprised of the deans of the participating academic units, serves as the decision making body. The IPE Coordinator is supported by full-time administrative support. A Liaison Advisory Committee, with faculty representation from the academic units to serve in an advisory capacity, oversees interprofessional curriculum implementation and facilitates communications between the initiative and faculties. Various working groups are charged with the responsibility of designing, implementing and evaluating interprofessional education learning opportunities. Several Pharmacy Faculty are involved in the seven working groups: Health Promotion (Nancy Kleiman), Communication (Nancy Kleiman), Oral & Systemic Health (Kelly Senkiw), Safety & Quality Improvement (Chris Louizos), IPE Clinical Placements (Kelly Brink) and Faculty Development.

Two IPE Faculty Development Days were held in 2011: January 13, 2011 and June 9, 2011 to bring Faculty up to speed about IPE and about the initiative.

The WRHA IPE Clinical Placement Project, a pilot project, was initiated in October 2009 through May 2010 at four WRHA sites including orthopedic surgery at a community hospital, a clinical teaching unit for internal medicine at a tertiary care hospital, and inpatient palliative care unit and a geriatric day hospital. Despite numerous challenges, several of the sites continued to take students this past year and new sites were developed. A total of six fourth year pharmacy students participated in IPE clinical placements this past year and the program will continue and expand next year.

An IPE (non-practice) session is currently being planned for the spring of 2012. It is led by the Health Promotion Working group and also involves the Communication and Faculty Development Working groups. It will involve 12 health and social care professions and 700 students.

For more information about IPE and the Faculty of Pharmacy, visit: umanitoba.ca/programs/interprofessional/.

Submitted by Kelly Brink, Faculty of Pharmacy IPE Liaison
Students

IPE Experience Spotlight: Ashley Walus

In April 2010, pharmacy student Ashley Walus, Winnipeg Interprofessional Student-run Health (WISH) Clinic student executive co-chair, along with other members of the WISH Clinic, had the opportunity to take part in two international, interprofessional education sessions.

Walus, along with Mandeep Mahal (Faculty of Medicine) and WISH Clinic mentor, Dr. Maxine Holmqvist (Faculty of Medicine, Clinical Health Psychology) travelled to Sydney and Melbourne, Australia, to learn about cutting-edge developments in interprofessional education (IPE) and to present material regarding the WISH Clinic, a student-managed clinic that serves the inner-city community of Point Douglas in Winnipeg.

The group first presented at and attended the All Together Better Health S conference in Sydney and then continued to the University of Melbourne to deliver a workshop entitled “Establishing a Student Managed Interprofessional Primary Care Clinic: Opportunities, Pitfalls and Recommendations.” Other contributing members to the project were Kerrie Abel (Faculty of Social Work), Mark Allan (Faculty of Pharmacy) and Dr. Anne Durcan (Faculty of Medicine). The team also contributed to a curriculum development plenary for the University of Melbourne’s Faculty of Medicine.

Overall, the experience was a valuable one for Walus and her colleagues. They returned having learned useful lessons, looking forward to working together to bring about positive growth in Manitoba IPE initiatives.
Pharmacy students vote to support faculty

For the ninth time, Faculty of Pharmacy students voted in favour of supporting their school with a financial contribution. This commitment demonstrates the close ties that are built between the faculty and its students. The contribution of over $64,000 (pending student enrolment over the next three years) will make a significant impact on the faculty.

Students divided their gift between three funds. Forty-five per cent of the contribution is designated to the Pharmacy Endowment Fund, which helps to ensure that the faculty has adequate resources now, and in the future, to maintain its equipment and facilities and to support its students and researchers.

Another 45 per cent of the funds will be directed to the Student Initiative Fund, which will allow students to take on special projects in support of the Faculty.

The final ten per cent of the contribution will support the Winnipeg Interprofessional Student-run Health (WISH) Clinic, which provides non-judgmental, holistic health care to Winnipeg’s Point Douglas community. The clinic provides learning opportunities to students from a variety of health-care-related faculties, including pharmacy. Many students from the Faculty of Pharmacy are actively involved in the clinic’s student executive.

The first pharmacy student referendum was held in 1989, when students voted to contribute $50 per student for three years. Subsequent referenda were conducted in 1991, 1994, 1997, 2001, 2003, 2007 and 2008. The students increased their per student contribution five times over the years. This year, the students voted to contribute $110 per student per year, which translates to $3.67 per credit hour, for the next three years.

Out of the 194 eligible student voters, 151 cast a ballot for a 78 per cent participation rate. Of those who voted, 95 per cent were in favour of the continuation of student giving. The Faculty of Pharmacy thanks all the students who voted to support their school.
The Pharmacy Class of 2011 Graduation Ceremony was held on Thursday, June 2, 2011 at Immanuel Pentecostal Church. Then-Acting Dean Dr. Lavern Vercaigne started the morning with a welcome and introduction, followed by words from the Student Organizer Amanda Nunn. The valedictorian address was given by Michael Chabluk. Shawn Bugden, Manitoba Pharmaceutical Association (MPHA) President presented the MPHA Awards, Jarrid McKitrick, President of CSHP presented the CSHP Award, Gayle Romanetz, Vice-President of the Manitoba Society of Pharmacists presented the A. Langley Jones Leadership Award, and Stephen Ackerman presented the Bristol-Myers Squibb Award for Excellence in Teaching 4th year. Guest Speaker at the event (invited by the students) was Kristine Petrasko, Instructor, Faculty of Pharmacy. MPHA Pins, Mortar & Pestles, Deans Honour List and other award certificates were then presented to the 2011 Pharmacy graduating class. The ceremony closed with the passing of the sticks from Yvette Sanders to Michael Prout and Scott Andresen. A small reception took place following the ceremony.

Dean’s Honour List 2010-2011

**Year 1**
Alexander Barnes  
Ashley Ewasiuk  
Jillian James  
Heidi Marshall  
Kathryn Peterson

**Year 2**
Jaden Brandt  
Jennifer Dannefaer  
Nathan Friesen  
Michelle Huyber  
Dennis Le  
Devin Ross  
Lesley Worsnop

**Year 3**
Jessica Cortens  
Blair Einarson  
Caitlin Hacault  
Karli Jones  
Kaley Kawchuk  
Arleigh Maddison  
Christopher Sochan

**Year 4**
Manjit Bains  
Jovanka Bodiroga  
Julia Fiorino  
Kateryna Haluk  
Krysten Harder  
Catherine Lacroix  
Nadia Pawlosky  
Kirkland Petrin  
Olena Serwylo  
Ashley Walus
Graduate Exit Survey

The following reports on an exit survey of the 42 individuals (female 25, male 17) comprising the Faculty of Pharmacy graduating Class of 2011. The survey is conducted on an annual basis to provide information on the incorporation of graduates from the University of Manitoba Pharmacy program into the practice community. Twenty-five students responded to the survey, therefore, the following presents information on 60 per cent of the graduating class.

Registration: All 25 respondents indicated their intention to engage in full-time practice as a pharmacist in the 12 month period following graduation. At the time of the survey (March, 2011), 25 (100%) had committed to a post graduate practice position, with the majority (88%) reporting no difficulty in identifying a suitable appointment, and many noting the availability of multiple practice opportunities.

In total, 21 (84%) respondents reported that they would be practicing in Manitoba in the 12 month period post graduation. When asked whether they were considering opportunities beyond Manitoba in the longer term, four individuals replied they were “undecided” and four replied they were considering other Canadian provinces. The majority of respondents, 17 (68%) reported that they planned to practice in Manitoba.

The majority, 16 (64%), reported that their post graduation practice would be situated in an urban setting while nine (36%) reported joining a practice in a rural setting.

Practice position: Of the 25 respondents, 13 (52%) reported a position in a chain pharmacy, five (20%) in an independent pharmacy, six (24%) in a hospital pharmacy and one (4%) in a geriatric pharmacy. Over the longer term (five years post-graduation), seven (28%) respondents reported an interest pursuing chain practice, six (24%) hospital practice, six (24%) independent practice, four (16%) were undecided and the remaining two (8%) selected “other”.

Respondents were also asked about long-term academic goals, and 11 (44%) reported no aspirations in this regard. However, 10 (40%) indicated an interest in pursuing additional studies in pharmacy (residency programs, PharmD, and PhD programs), and the remaining four (16%) indicated the possibility of postgraduate education outside of pharmacy.

Proprietorship: Graduates were asked to indicate the likelihood that they might pursue proprietorship at some later stage of their practice careers. Nine (36%) were “unsure”, eight (32%) responded in the affirmative, and eight (32%) in the negative.

Salary: Average income of graduates responding to the question about income in the 12 month post graduation period was approximately $94,600, ranging from <$64,999 to >$115,000.
Students

Undergraduate Student Awards

Ashley Ewasiuk, (Year 1): Pharmacy Class of 1966 Scholarship. Completion of 1st or 2nd year with high academic standing (min GPA 3.5) and demonstrated leadership & involvement in extra-curricular activities (by letter of application).

Ashley Ewasiuk, (Year 1): Dr. D. McDougall Memorial Scholarship. Outstanding merit in Fundamentals of Pharmaceutics (PHRM1300).

Ashley Ewasiuk, (Year 1): Sanofi-Aventis Canada Scholarship. Academic merit in first year pharmacy (min. GPA 3.00).

Ashley Ewasiuk, (Year 1): Doreen O'Donnell Memorial Scholarship. Highest standing in first year pharmacy.

Nicole Lee, (Year 1): Procurity Pharmacy Services Inc. Award. Outstanding merit (great aptitude) in Skills Lab I (PHRM1100). TWO AWARDS are granted. Obtained grade no less than B+ in course; achieved minimum cumulative GPA of 3.5.

Amanda Li, (Year 1): William G. Eamer/Manitoba Pharmaceutical Association Scholarship. Academic excellence and demonstrated social responsibility and personal initiative through active participation in student government or other student community service. FOUR AWARDS are granted.

Heidi Marschall, (Year 1): Procurity Pharmacy Services Inc. Award. Outstanding merit (great aptitude) in Skills Lab I (PHRM1100). TWO AWARDS are granted. Obtained grade no less than B+ in course; achieved minimum cumulative GPA of 3.5.

Scott Andresen, (Year 2): William G. Eamer/Manitoba Pharmaceutical Association Scholarship. Academic excellence and demonstrated social responsibility and personal initiative through active participation in student government or other student community service. FOUR AWARDS are granted.

Brendan Ball, (Year 2): Procurity Pharmacy Services Inc. Award. Outstanding merit in Skills Lab II (PHRM2100). TWO AWARDS are granted. Obtained grade no less than B+ in course; achieved minimum cumulative GPA of 3.5.

Renata Blahey-Hasay, (Year 2): Clinical Pharmacy I Award of Excellence. For a student who has completed second year of the B.Sc. in Pharmacy with high academic standing and shown outstanding merit in Clinical Pharmacy I.

Jaden Brandt, (Year 2): Bletcher Memorial Scholarship. High standing in second year pharmacy.

Jennifer Dannefar, (Year 2): Sanofi-Aventis Award in Law & Ethics. Highest academic standing in the jurisprudence section of PSL-2 PHRM2100.
Undergraduate Student Awards … cont.

Jennifer Dannefar, (Year 2): Stewart G. Wilcox Award. Completion of the second year of the program in the Faculty of Pharmacy with high academic standing and achieving the highest standing in the course PHRM2100: Jurisprudence Section.


Dennis Le, (Year 2): Mrs. Ethel Roberts Memorial Prize. Outstanding merit in second year pharmacy. NOT TENABLE with other awards.


Devin Ross, (Year 2): Joseph & Sylvia Lavitt Award in Pharmacy. For a student enrolled full-time in the third year of the B.Sc. Pharmacy and in good academic standing.

Lesley Worsnop, (Year 2): Procurity Pharmacy Services Inc. Award. Outstanding merit in Skills Lab II (PHRM2100). TWO AWARDS are granted. Obtained grade no less than B+ in course; achieved minimum cumulative GPA of 3.5.

Krista Brown, (Year 3): Procurity Pharmacy Services Inc. Award. Outstanding merit in Skills Lab III (PHRM3100). TWO AWARDS are granted. Obtained grade no less than B+ in course; achieved minimum cumulative GPA of 3.5.

Jessica Cortens, (Year 3): Sheppy I. Adler Memorial Scholarship. Best major project (essay, oral presentation or display) in Natural Health Products (PHRM3430).

Laura Delavau, (Year 3): Canadian Pharmacists Association Centennial Award. Student Council nominates a third year student for the award, who promotes the faculty and profession, is actively involved with student council and other local/provincial associations, who participates in student athletics and other extracurricular activities, is in good academic standing, and is a CPhA student Member.

Karin Ens, (Year 3): William G. Eamer/Manitoba Pharmaceutical Association Scholarship. Academic excellence and demonstrated social responsibility and personal initiative through active participation in student government or other student community service. FOUR AWARDS are granted.
Students

Undergraduate Student Awards ... cont.

Karin Ens, (Year 3): Professional Development Week Award. For a student who has demonstrated involvement in student-related activities in the Faculty, professional pharmaceutical organizations, and/or volunteer activities. Given to a second or third year student who is in good standing in the faculty of Pharmacy.

Caitlin Hacault, (Year 3): Flexon Silver Medal. Highest aggregate standing in Medicinal Chemistry courses (same criteria for Novopharm Med Chem Award #22409).

Caitlin Hacault, (Year 3): Novopharm Ltd. Scholarship in Medicinal Chemistry. Highest aggregate standing in first, second, and third year medicinal chemistry. Given along with Flexon Silver Medal (same criteria).

Caitlin Hacault, (Year 3): Dr. Roman (Roy) Bilous Scholarship. High academic standing for a FT student completing third year who has achieved high academic standing in the Medicinal Chemistry subject stream: PHRM2220 & PHRM3220.

Kaley Kawchuk, (Year 3): Dr. A.W. Hogg Undergraduate Scholarship. Highest standing in the Faculty of Pharmacy.

Kaley Kawchuk, (Year 3): Isbister Scholarship in Pharmacy. Highest standing in any year (first, second, third).


Kaley Kawchuk, (Year 3): Harry Singer Memorial Medal. High academic standing and demonstrated outstanding merit in the second & third year skills lab in the patient counseling component; minimum cumulative GPA 3.5.

Samantha Kendall, (Year 3): The Mike Kupfer Memorial Award (student nominated). Participated in student activities; demonstrated high degree of empathy of fellow students.

Arleigh Maddison, (Year 3): Novopharm Ltd. Award in Biopharmaceutics/Pharmacokinetics. Highest aggregate standing in Biopharmaceutics (2270); Pharmacokinetics (2280) & Clinical Pharmacokinetics (3500).

Jasbir Rukhra, (Year 3): Bonnie Schulz Memorial Scholarship. Outstanding merit in the Standardized Patient streams of PSL-1, 2 and 3 with particular emphasis on the Drug Information Component.

Carly Sanderson, (Year 3): Procurity Pharmacy Services Inc. Award. Outstanding merit in Skills Lab III (PHRM3100). TWO AWARDS are granted. Obtained grade no less than B+ in course; achieved minimum cumulative GPA of 3.5.

Shannon Smith, (Year 3): Natural Medicines Comprehensive Database Prize in Pharmacy. High academic standing and demonstrated promise in improving patient care and an appreciation for scientific inquiry and an evidence-based approach to evaluating natural medicines.
**Undergraduate Student Awards ... cont.**

Manjit Bains, (Year 4): Audrey Koz Memorial Prize. Outstanding merit in Clinical Pharmacy 3 (PHRM 4310) and SPEP-4 (PHRM4700).

Julia Fiorino, (Year 4): MPhA President’s Prize. Outstanding merit in fourth year pharmacy courses.

Julia Fiorino, (Year 4): University Gold Medal. Highest standing in Pharmacy. Based on degree GPA.

Julia Fiorino, (Year 4): MPhA Gold Medal in fourth year Pharmacy. Highest GPA second, third, fourth year (pharmacy courses only).

Julia Fiorino, (Year 4): Abraham Schwartz Prize. Highest standing in B.Sc. (Pharm.)

Julia Fiorino, (Year 4): Mark Rose Memorial Book Prize. Highest standing in B.Sc. (Pharm.)

Julia Fiorino, (Year 4): Frank Edick Memorial Prize. Highest standing in Clinical Pharmacy 3 (PHRM4310) (88.3%).

Julia Fiorino, (Year 4): McKesson Canada Scholarship. Highest standing in the graduating year.

Crystal Gennick, (Year 4): David Stern Memorial Scholarship. Highest standing Pharmacy Practice Management (PHRM4230) and who plans to pursue a career in retail pharmacy. (96.7%).

Hidy Girgis, (Year 4): Langley Jones Leadership Award (student nominated). For aptitude for community pharmacy and consumer health care products and leadership qualities.

Krysten Harder, (Year 4): Outstanding paper in the Electives Course (PHRM4800). "Development of multidisciplinary education resources for the Central Region Health Authority" (preceptor: Kyle MacNair & Shawn Bugden).

Krysten Harder, (Year 4): MPhA Silver Medal. Second highest GPA second, third, fourth year pharmacy courses only.

Krysten Harder, (Year 4): McKesson Canada Scholarship. Outstanding merit in the graduating year.


Catherine Lacroix, (Year 4): Manitoba Branch – Canadian Society of Hospital Pharmacists Award. Outstanding merit in Clinical Pharmacy 3 (PHRM4310) and SPEP-4 (PHRM4700).

Colin Lafreniere, (Year 4): Pat Gorman Memorial Award (student nominated). Satisfactory academic record and satisfactory athletic participation record.

Thanh Nguyen, (Year 4): The Doreen Ash Memorial Prize (student nominated). For a student active in available sports programs, social programs and student activities of the faculty with at least one year of Pharmacy.
Students

Undergraduate Student Awards … cont.

Thanh Nguyen, (Year 4): Halsey A. Park Memorial Prize. For outstanding merit in the aggregate of clinical pharmacy (PHRM 3310 & PHRM 4310); active participation in the life of the University and a promise of advancing the profession.

Amanda Nunn, (Year 4): Manitoba Lung Association Award. Providing a student in their fourth year of the Undergraduate Pharmacy Program the opportunity to take the ASTHMA Trec Program, who has obtained a sufficiently high academic standing & a minimum of 3.0 in PHRM 2310, 3310 & 4310.

Farah Rashid, (Year 4): Dr. J.R. Murray Scholarship. After completing Manitoba Grade 12 proceeded to 1st year Science in a Manitoba University. Minimum GPA 3.5. High standing in all years of the program. Has participated in extra-curricular activities.

Farah Rashid, (Year 4): Students’ Teacher Recognition Reception. Gives outstanding graduating students an opportunity to honour teachers who have made important contributions to their education. Suggested criteria include: Academic performance, involvement and/or leadership in the Faculty, outstanding accomplishments, community service.

Olena Serwylo, (Year 4): Procurity Pharmacy Services Ltd. Award (2). Highest standing in PHRM4230 Pharmacy Practice Management (96.7%).

Ashley Walus, (Year 4): Dr. Dougal McDougal Memorial Trophy (student nominated). Good scholastic standing throughout undergraduate years, citizenship and dedication.

Ashley Walus, (Year 4): Procurity Pharmacy Services Ltd. Award (2). Highest standing in PHRM4230 Pharmacy Practice Management (94.6%).

Ashley Walus, (Year 4). Pharmacy Class 2009 – Passion & Commitment Award, Successfully completed the requirements for the BSc. Pharmacy program with a minimum degree grade point average of 3.0, & a strong record of community service within the broader community, the Faculty of Pharmacy, and/or the University.
Elective Spotlight

Students help build hospital pharmacy in Nepal

This year two pharmacy students, Kirk Petrin and Matthew Newman travelled to Nepal, a small country located between India and China, to fulfill their student elective experience. It was more than just a credit for the students. “Having the opportunity to volunteer and make an impact in this underdeveloped country for my fourth year pharmacy elective placement was an experience I will never forget,” said Petrin.

For seven weeks, Petrin and Newman lived in the Kathmandu Valley, travelling up to two hours each day to the Siddhi Memorial Hospital in Bhaktapur. During their time at the hospital, they participated in activities including daily rounds, case presentations, industrial pharmacy tours and giving presentations to local schools. Their most important project however, was to help plan, design and build a pharmacy for the hospital.

Petrin and Newman’s first task was the design of the pharmacy. They were able to meet with the hospital’s president and founder and the manager to get a sense of what the hospital wanted to get out of its pharmacy. This helped to determine the size of the space and the layout of storage and equipment. This helped Petrin and Newman to draft initial floor plans and diagrams of the shelving units that would be required.

“We also offered input with the basic requirements for the pharmacy,” said Petrin, “such as: a refrigerator, computer system with patient information and drug inventory, a source of sterile water, locations of necessary power outlets, and other important components.”

Once the floor plan was finalized, construction began fairly quickly. “We helped out by taking on the task of painting the room while the workers handled the rest of the necessary projects,” said Newman.

Unfortunately, an accident early in the construction and a fire that later occurred in the president’s office caused some delays. Thankfully, despite these setbacks work progressed over the seven weeks Petrin and Newman spent on the project. By the time they completed the elective, the team had shelves in place and the doorway was finished. There were however, projects still underway, including the dispensing windows, painting of the shelves and installation of a fridge.

During the construction, Petrin and Newman did not sit idle. They continued the crucial planning of the drug list and inventory system. With the help of one of the hospital’s doctors, Dr. Kishore, the students developed a list to, “specifically include medications commonly seen at the hospital as well as formulations that are child-friendly,” said Matthew.

Because a computer system was not possible immediately, Kirk and Matthew had to devise a manual inventory system. They concentrated on creating as simple a system as possible to limit paperwork.

Kirk and Matthew’s final task for the pharmacy was to develop a document on the roles and responsibilities of the pharmacy staff and to create a list of things that needed to be completed before the pharmacy would be ready to
Students help build hospital pharmacy in Nepal … cont.

operate. This was of particular importance, said Kirk, “since we were unable to train anyone on how the pharmacy should function.”

Although the pharmacy was not complete at the end of Petrin and Newman’s elective period, they were both satisfied with the progress they had made. The project had been in the works for 15 months when the two arrived, and in a short six weeks, the two students were able to see the project very nearly to completion. Both students are hopeful about the pharmacy’s future.

Newman said, “I am hopeful that within the next few months there will be an operational pharmacy owned and operated by the Siddhi Memorial Hospital. Even if it takes more time, I think we should both be proud of what we brought to the hospital. It will benefit not only the organization, but the patients at the hospital as well.”

Petrin was also happy with the experience. “Siddhi Memorial Hospital was a very rewarding and beneficial placement site, and the numerous activities in which we participated provided many great memories which will be cherished forever.”

This experience is an excellent example of how the student practical experience program can affect the lives of pharmacy students, not only allowing them to use their newly acquired skills, but also illuminating their world.
Student Practical Experience Program Profile: Harvey Noel

Over the summer of 2010, third-year student Harvey Noel gained practical experience and national recognition while working for Wal-Mart in Thompson, Manitoba. During his time in the community, Noel has embodied the ideal community pharmacist – spending much of his time working to make a difference in the area.

Noel gave more than 21 presentations to over 475 community members during the summer. The support and encouragement he received from his preceptor, Luba Shepertycky, was integral to his success. That, combined with Noel’s passion for community service led Shepertycky to say, “I believe that Harvey is the type of person everyone would be proud to have in their pharmacy as both a student and eventually a pharmacist.”

Noel gave a number of presentations for Futures in Thompson, which provides parenting support for teens and young parents, as well as the Burntwood Regional Health Authority to visit small and isolated communities nearby. A number of groups have also benefited from Noel’s presentations on Sun Sense and Head Lice. Noel will not stop at what he has already accomplished and is already planning his next summer with more projects and presentations.
Alumni

Manitoba Pharmaceutical Association Young Leader Awards

Once again, the Manitoba Pharmaceutical Association (MPhA) has recognized students and graduates of the Faculty of Pharmacy with their Young Leader Awards. The 2011 recipients are:

**Manjit Bains [BSc(Pharm)/11]** During her elective rotation at the MPhA, Bains designed, developed and analyzed a comprehensive learning needs assessment for practicing Manitoba pharmacists. Bains participated in a summer student research project involving prescribing of opioids in chronic non-cancer pain patients.

**Angel Bhathal [BSc(Pharm)/11]** During her studies Bhathal organized a charity fundraiser for Variety, the Children’s Charity of British Columbia, raising $6,000 to help special needs children. She has also been involved in several other charities including the Heart & Stroke Foundation, MS Society and Osborne Women’s Shelter.

**Scott Bowles [BSc(Pharm)/09]** Bowles is working to add the clinical aspect to community pharmacy practice by performing medication reviews with patients and caregiver teams. He has developed inter-professional relationships with several nurse practitioners and physicians and he is also part of the patient clinical home visits. He works at Broadway Pharmacy.

**Divna Calic [BSc(Pharm)/10]** Calic sat on the student council for two years helping organize numerous events including Pharmacists Awareness Week. Calic currently conducts medication reviews and helps put on free clinics for seniors to help manage chronic conditions. She works at Sobeys Pharmacy as a floating pharmacist.

**Melissa Jacob [BSc(Pharm)/09]** Jacob created and managed in-store clinics on cholesterol, diabetes, arthritis and insomnia. She presents educational information to nurses and physicians. Jacob is active in Gimli’s diabetes and Parkinson’s support groups, and works at Pharmasave in that city.

**Geoff Namaka [BSc(Pharm)/08]** Namaka recently became a pharmacy preceptor, allowing him to mentor a new generation of pharmacy students. Namaka has also joined the Professional Development Committee and the Standards of Practice Committee with the Manitoba Pharmaceutical Association. He is a manager at the Grant Park Sobeys Pharmacy.

**Advit Shah [BSc/01, BSc(Pharm)/10]** Shah works at Walmart Pharmacy. As a student, he founded and organized ‘The Red Party,’ an event that has raised over $10,000 for charity. Shah received numerous honours and awards as a pharmacy student and participated in many extracurricular activities.

**Rebecca Thiessen [BSc(Pharm)/08]** Thiessen works at the Eden Mental Health Centre where she strives to bring the role of the pharmacist forward as a member of the health-care team. Thiessen now makes presentations to community groups related to mental health and mediation management.

**Ashley Walus [BSc(Pharm)/11]** An active volunteer with the WISH Clinic for the past three years, Walus has served as both Volunteer Coordinator and Executive Co-Chair. Walus was also involved in the Manitoba Health Sciences Student Association and Let’s Talk Science.

**Pat Wat [BSc(Pharm)/08]** As a pharmacy student, Wat volunteered in Nepal for two months. Wat works at Winnipeg’s Children’s Hospital in the inpatient children’s pharmacy and the neonatal intensive care pharmacy.
Philanthropy

Pharmacy graduate gives back

The son of Russian and Polish immigrants to Canada, Dr. Morris D. Faiman [B.Sc.(Pharm.)/55] grew up with a strong understanding that post-secondary education was his “passport for success.” Now, he has made a commitment to his alma mater that will assist the Faculty of Pharmacy’s future students in achieving the same education he worked so hard for. Faiman has committed over $12,000 to establish an award in pharmacy. With matching funds, the award fund has already reached approximately $25,000.

Faiman has plans to grow the award fund to at least $50,000 over the coming years. He will name it for his parents, Sam and Beatrice Faiman, who he said “sacrificed everything for me. They insisted I obtain an education no matter how much they had to give up.”

Sam and Beatrice held the belief that a good education was something that could never be taken away. Their influence led Faiman to pursue his education as a pharmacy student at the University of Manitoba despite his earlier dreams of becoming a professional baseball or hockey player. (He was even invited to attend a St. Louis Cardinal tryout camp as a baseball pitcher.)

Pharmacy school has given Faiman a great deal of success, but it wasn’t always an easy road. “I worked long hours in a Pharmacy while at the University,” he said, “and often had to juggle my studies with work so that I could earn enough money to support my education.” In those days, his work came before his studies.

The hard work paid off. Following an initial stint as a hospital pharmacist, Faiman pursued PhD studies and has since thrived in the academic environment. He is now a professor of pharmacology and toxicology at the University of Kansas. In that role, he has served on many scholarship committees, which he said, “brought back memories of my own financial difficulties as a student.”

With that in mind, Faiman decided to establish the Sam and Beatrice Faiman Scholarship Fund for students who have a strong academic record, but may not necessarily be at the top of their class, and who need financial support to continue their pharmacy education. His generosity will have a perpetual impact on Manitoba’s future pharmacists.
Philanthropy

Faculty member shows commitment to philanthropy

The University of Manitoba’s donors play an integral role in our continued success. When one of those donors is also a member of the University faculty, it is especially meaningful. Our faculty members are among those who know us best, and who help us to achieve excellence in education and research. Among those who do give, Dr. Daniel Sitar [B.Sc.(Pharm.)/66, MSc/68, PhD/72], is one of the most committed.

A graduate of the faculties of Pharmacy and Medicine at the University of Manitoba, Sitar has been connected to the University for decades. Upon completion of his PhD, Sitar’s career took him to the University of Minnesota as a postdoctoral fellow, followed by a position as an assistant professor in the Division of Clinical Pharmacology at McGill University. By 1978, he had been recruited back to the University of Manitoba. Here he has filled many roles, including that of professor in both the Faculty of Pharmacy and the departments of Pharmacology & Therapeutics and Internal Medicine in the Faculty of Medicine.

His experiences as both student and faculty member have informed Sitar’s consistent history of giving. His education, he says, “contributed significantly to my career success. Giving to the University is a way to show my gratitude for my educational experience.”

As a faculty member, Sitar gained a new perspective. “I encountered several instances where the University was unable to provide sufficient up-to-date resources for its faculty and student body. Giving to special fundraising initiatives allowed me to allocate charitable contributions to important initiatives within the University that may otherwise not have been funded.”

Sitar is particularly invested in supporting the faculties of Pharmacy and Medicine. He remembers the Faculty of Pharmacy as the place that gave him his first opportunity to experience research as a career. A love of research blossomed in him during the completion of his B.Sc. and M.Sc. theses in Pharmacy, and continued through the completion of his PhD in the Faculty of Medicine.

His dedication to these faculties is evident in his giving. In addition to his contributions to a variety of funds including the Pharmacy Building Fund, Pharmacy Class of 1966 Scholarship and Dr. Mark Nickerson Graduate Entrance Studentship in Pharmacology and Therapeutics, he has given the University ownership of patents of which he is the inventor. Sitar’s many gifts are, he says, his “way of saying thank you to both of these faculties for providing my postsecondary education opportunities, and enabling me to contribute in a small way to the possibility of providing an enriched environment that will continue to support future generations.”
Grads go all out to support faculty initiatives

The Pharmacy Class of 2010, headed by graduation chairs Jacinte Bosc, Ashley Baert and Guylene McLean, have generously donated $10,000 towards two faculty-related causes. They chose to divide their gift evenly between the Winnipeg Interprofessional Student-run Health (WISH) Clinic and Team Pharmacy, which supports the MS Society.

The WISH Clinic, open since 2009, provides non-judgemental, holistic health care to Winnipeg’s Point Douglas community. Run by students from a variety of disciplines, including pharmacy, with mentorship and supervision from faculty and community mentors, the WISH Clinic depends on the generosity of donors in order to deliver services to its clients. This $5,000 donation will help to fund more programming days and events at this innovative clinic. Any pharmacists interested in mentoring at this program are encouraged to get involved.

The donation to Team Pharmacy is equally important as it helps to support MS research in Manitoba. This $5,000 helped to push the team past their $20,000 fundraising goal, which held Dr. Mike Namaka, associate professor, accountable to the ‘red head challenge’ set by the team’s students. He met the challenge on February 14, 2011. The team’s new goal is to raise $30,000. If they succeed, Namaka has vowed to shave ‘MS’ into his hair and act as the team mascot when Team Pharmacy participates in their third annual MS Walk on May 1, 2011.

The Faculty of Pharmacy thanks the Class of 2010 for this tremendous show of generosity to their faculty, and wishes them all the best in their future endeavours.

Submitted by Kristine L. Petrasko, Instructor, Faculty of Pharmacy

Mike Namaka (with Kristine Petrasko) shows off his “red head” on February 14, 2011
Philanthropy

Endowment Fund

We acknowledge the contributions of the alumni, students, and staff to the Faculty Endowment Fund. For the 2010/2011 year, $47,032 in interest income was available for distribution. Eighty per cent of the 2010/2011 Endowment Allocation went to the Undergraduate program while the remaining 20% was allocated to the Graduate Program.

<table>
<thead>
<tr>
<th>Request</th>
<th>Amount</th>
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<tbody>
<tr>
<td>Endowment Funds available</td>
<td>$ 47,032</td>
</tr>
<tr>
<td>REQUEST</td>
<td></td>
</tr>
<tr>
<td>Catastrophic Fund (annual allocation)</td>
<td>5,000</td>
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<tr>
<td>Undergraduate Student Travel Award (annual request)</td>
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<tr>
<td>Graduate Seminar Series Guest Speakers (2)</td>
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<td>St. John’s CPR Training for Fourth Year Pharmacy Students</td>
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<td>Central Water Purification System</td>
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<td>WinNonlin Float License Renewal</td>
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<td>Graduate Student Travel Support ($500/student)</td>
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<td>Undergraduate Student Summer Research Scholarship</td>
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<td><strong>TOTAL REQUESTED</strong></td>
<td>$ 47,032</td>
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<td>Balance in catastrophic research fund</td>
<td>$ 54,050</td>
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<tr>
<td>SUMMARY</td>
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<tr>
<td>Undergraduate Program</td>
<td>$ 21,500</td>
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<tr>
<td>Graduate Program</td>
<td>$ 10,100</td>
</tr>
<tr>
<td>Research Program</td>
<td>$ 10,432</td>
</tr>
<tr>
<td>Catastrophic Equipment Fund</td>
<td>$ 5,000</td>
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<tr>
<td><strong>TOTAL</strong></td>
<td>$ 47,032</td>
</tr>
</tbody>
</table>
Graduate Studies

Graduate Studies Committee Report 2010-2011

Faculty of Pharmacy, Graduate Studies Committee:

Dr. Hope Anderson, Chair
Dr. Yuwen Gong
Dr. Brian Hasinoff
Dr. Frank Burczynski
Dr. Christine Davis (July 2010 to November 2010)
Shawn Bugden (December 2010 to November 2011)
Daryl Fediuik, graduate student representative
Jessica Warnett, administrative support

1. OVERVIEW OF FACULTY OF PHARMACY GRADUATE ACTIVITIES FOR 2010-2011

i. Summary of Graduate Students, as of June 1, 2011

<table>
<thead>
<tr>
<th></th>
<th>M.Sc.</th>
<th>Ph.D.</th>
</tr>
</thead>
<tbody>
<tr>
<td>Number of continuing graduate students, as of August, 2010</td>
<td>4</td>
<td>9</td>
</tr>
<tr>
<td>Number of incoming graduate students</td>
<td>3</td>
<td>1</td>
</tr>
<tr>
<td>Total number of graduate students</td>
<td>7</td>
<td>9</td>
</tr>
</tbody>
</table>

ii. New Students, 2010-2011

<table>
<thead>
<tr>
<th>Name</th>
<th>Program</th>
<th>Supervisor</th>
<th>Start Date</th>
</tr>
</thead>
<tbody>
<tr>
<td>Bolanle Akinwumi</td>
<td>M.Sc.</td>
<td>Dr. Alan McIntosh</td>
<td>September 2010</td>
</tr>
<tr>
<td>Basma Aloud</td>
<td>M.Sc.</td>
<td>Dr. Hope Anderson</td>
<td>September 2010</td>
</tr>
<tr>
<td>Yufei Chen</td>
<td>PhD</td>
<td>Dr. Emmanuel Ho</td>
<td>May 2011</td>
</tr>
<tr>
<td>Yan Lu</td>
<td>M.Sc.</td>
<td>Dr. Hope Anderson</td>
<td>September 2010</td>
</tr>
</tbody>
</table>
### iii. List of Current Master Students, as of June 1, 2011

<table>
<thead>
<tr>
<th>Name</th>
<th>Supervisor</th>
<th>Start Date</th>
</tr>
</thead>
<tbody>
<tr>
<td>1 Bolanle Akinwumi</td>
<td>Dr. Alan McIntosh</td>
<td>September 2010</td>
</tr>
<tr>
<td>2 Basma Aloud</td>
<td>Dr. Hope Anderson</td>
<td>September 2010</td>
</tr>
<tr>
<td>3 Samaa Alrushaid</td>
<td>Dr. Lean Chee</td>
<td>January 2010</td>
</tr>
<tr>
<td>4 Yufei Chen</td>
<td>Dr. Frank Burczynski</td>
<td>September 2009</td>
</tr>
<tr>
<td>5 Weisi Kong</td>
<td>Dr. Yuewen Gong</td>
<td>September 2009</td>
</tr>
<tr>
<td>6 Yi Ning Li</td>
<td>Dr. Yuewen Gong</td>
<td>September 2009</td>
</tr>
<tr>
<td>7 Yan Lu</td>
<td>Dr. Hope Anderson</td>
<td>September 2010</td>
</tr>
</tbody>
</table>

### iv. List of Current PhD Students, as of June 1, 2011

<table>
<thead>
<tr>
<th>Name</th>
<th>Supervisor</th>
<th>Start Date</th>
</tr>
</thead>
<tbody>
<tr>
<td>1 Yufei Chen</td>
<td>Dr. Emmanuel Ho</td>
<td>May 2011</td>
</tr>
<tr>
<td>2 Daryl Fediuk</td>
<td>Dr. Xiaochen Gu</td>
<td>September 2005</td>
</tr>
<tr>
<td>3 Hongtao Li</td>
<td>Dr. Xiaochen Gu</td>
<td>September 2004</td>
</tr>
<tr>
<td>4 Michelle Nelson</td>
<td>Dr. Ruby Grymonpre</td>
<td>September 2007</td>
</tr>
<tr>
<td>5 Ousama Rachid</td>
<td>Dr. Keith Simons</td>
<td>January 2007</td>
</tr>
<tr>
<td>6 Dana Turcotte</td>
<td>Dr. Mike Namaka</td>
<td>May 2007</td>
</tr>
<tr>
<td>7 Tao Wang</td>
<td>Dr. Xiaochen Gu</td>
<td>January 2005</td>
</tr>
<tr>
<td>8 Parvez Vora</td>
<td>Dr. Mike Namaka</td>
<td>September 2009</td>
</tr>
<tr>
<td>9 Wenjun Zhu</td>
<td>Dr. Mike Namaka</td>
<td>February 2005</td>
</tr>
</tbody>
</table>
Graduate Studies Committee Report 2010-2011 ... cont.

2. FACULTY OF PHARMACY GRADUATE ACHIEVEMENTS FOR 2010-2011

   i. Graduates

<table>
<thead>
<tr>
<th>Name</th>
<th>Degree</th>
<th>Examining Committee</th>
<th>Oral Defence</th>
<th>Graduation Date</th>
</tr>
</thead>
<tbody>
<tr>
<td>Maria Melanson</td>
<td>PhD</td>
<td>Dr. Mike Namaka(^1)</td>
<td>January 27, 2011</td>
<td>May 2011</td>
</tr>
<tr>
<td></td>
<td></td>
<td>Dr. Dean Kriellaars(^3)</td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td>Dr. Barbara Shay(^3)</td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td>Dr. Avindra Nath(^4)</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

\(^1\) Advisor; \(^3\) Internal Committee Member; \(^3\) External Committee Member (University of Manitoba); \(^4\) External Committee Member (non-University of Manitoba)

   ii. Candidacy Exams

<table>
<thead>
<tr>
<th>Name</th>
<th>Supervisor</th>
<th>Date of Exam</th>
</tr>
</thead>
<tbody>
<tr>
<td>Parvez Vora</td>
<td>Dr. Mike Namaka</td>
<td>September 21, 2010</td>
</tr>
<tr>
<td>Wenjun Zhu</td>
<td>Dr. Mike Namaka</td>
<td>December 2, 2010</td>
</tr>
</tbody>
</table>

   iii. Awards/Scholarships

<table>
<thead>
<tr>
<th>Award/Scholarship</th>
<th>Recipient(s)</th>
</tr>
</thead>
<tbody>
<tr>
<td>2010-2011 Lesley F. Buggey Graduate Scholarship</td>
<td>Parvez Vora, $3,190</td>
</tr>
<tr>
<td>2010-2011 MPha/William G. Eamer Graduate Scholarship</td>
<td>Ousama Rachid, $2,500</td>
</tr>
<tr>
<td>2010-2011 Pfizer Canada Inc. Centennial Pharmacy Research Award</td>
<td>Bolanle Akinwumi, $5,000</td>
</tr>
<tr>
<td>UMGF (renewal)</td>
<td>Dana Turcotte, $16,000</td>
</tr>
<tr>
<td>Manitoba Institute of Child Health/Manitoba Health Research Council (MICH/MHRC) Graduate Studentship</td>
<td>Ousama Rachid, $17,850</td>
</tr>
<tr>
<td>IGSES (International Graduate Student Entrance Scholarship)</td>
<td>Bolanle Akinwumi, $4,000</td>
</tr>
<tr>
<td>Manitoba Graduate Scholarship</td>
<td>Dana Turcotte, $7,500</td>
</tr>
</tbody>
</table>

Faculty of Pharmacy Annual Report 2010-2011

www.umanitoba.ca
iv. Publications – Papers published or in press


v. Publications – submitted


vi. Poster/Podium Presentations; Conference Participation

Graduate Studies Committee Report 2010-2011 ... cont.

vi. *Poster/Podium Presentations; Conference Participation* ... cont.

**Yining Li** attended the 2010 CSPS 13th Annual Symposium in Richmond, British Columbia in June, 2010. CRS travel award for 2010 CSPS 13th Annual Symposium. Poster presented: Development of short-hairpin RNA that targets intracellular signalling molecule – Smad1.

**Yining Li** attended OGIRC/CICMR Second Joint Conference, Ottawa in October, 2010. Travel award for best poster in OGIRC/CICMR Second Joint Conference. Poster presented: Homocysteine induces bone morphogenetic protein-2 expression in rat hepatic stellate cells.

**Ousama Rachid** attended the 2011 ASHP Summer Meeting in Denver, Colorado, USA. He received the Manitoba Institute of Child Health Travel Award. Poster presented: Epinephrine Autoinjectors for the Emergency Treatment of Anaphylaxis: Integrity of the Delivery Systems Past-Expiry Date.

**Ousama Rachid** attended the CADTH 7th Annual Symposium in Vancouver, British Columbia in April, 2011.

**Ousama Rachid** attended the MICH 6th Annual Child Health Research Day in Winnipeg, Manitoba in October, 2010. Poster presented: An Electronic Tongue: Evaluation of the Masking Efficacy of Sweetening and/or Flavoring Agents on the Bitter Taste of Epinephrine.

**Parvez Vora** attended the 2010 Bevil Glial Biology Conference in Birmingham, Alabama in December, 2010. He received the Manitoba Institute of Child Health Travel Award and the Bevill Travel Award ($1000 each). Poster presented: Emerging roles of Methyl CpG binding Protein 2 (MECP2) in myelination of brain.

**Tao Wang** attended the PSWC/AAPS Student Congress & Annual Meeting in New Orleans, Louisiana, USA from November 12-18, 2010. Poster Presented: Deposition of DEET, oxybenzone and their metabolites after repeated topical application of an o/w emulsion.

3. **FACULTY OF PHARMACY GRADUATE STUDIES COMMITTEE DECISIONS**

   *i. On PHRM 7140 Pharmaceutical implications of free radical medicinal chemistry* –

Dr. McIntosh reported that the last time any students were registered in this graduate course was in the 2000R and 2001R academic year. The concerns are that this course is out of date and shouldn’t be offered. According to a memo from Faculty of Graduate Studies, if a course has not been active for five years, then it should be deleted. At the PGSC meeting on October 6, 2010, the recommendation to delete PHRM 7140 was approved for submission to the Pharmacy Faculty Council (Executive). (Motion approved at Faculty Council Executive Meeting on May 11, 2011).
ii. On PHRM 7160 Pharmacy Seminar I and PHRM 7170 Pharmacy Seminar II sectioning—

The concern was raised that students commencing their graduate program in January will automatically require more than two years to graduate, as PHRM 7160 and PHRM 7170, which are mandatory, are currently offered only as September to April courses. The PGSC recently considered also offering an alternate sectioning option, in which the courses would run January to December. (Motion approved at the PGSC Meeting on June 10, 2011).
Research

Research Profile: Emmanuel Ho

Since joining the Faculty of Pharmacy in 2010, Dr. Emmanuel Ho has proven to be a rising star among the faculty’s researchers. In addition to program funding from the Bill and Melinda Gates Foundation, the Manitoba Medical Service Foundation (MMSF) and the University Research Grants Program (URGP), Ho was recently awarded a Canadian Institutes of Health Research (CIHR) grant in the amount of $393,969 over three years.

This operating grant will support the development of a novel intravaginal ring (IVR) for the prevention of HIV transmission. Women have a high susceptibility to HIV infection via male-to-female transmission. This, says Ho, “is in part due to the fact that current preventative methods, such as abstinence, condoms and monogamy, are often outside a woman’s control.”

The IVR will give women a way to take control of their own HIV prevention. This intravaginal drug delivery system would, “release specific proteins to induce vaginal mucosal immunity against HIV,” says Ho. The ring design will ensure that it can be easily inserted by a woman and left in place for at least 30 days without the need for removal. During that period, the IVR will protect the woman from HIV transmission during sexual intercourse without the necessity of the partner ever knowing it is present.

In addition to drug delivery strategies for the treatment and prevention of HIV/AIDS and other infectious diseases, Ho’s research interests include the development and characterization of vaccines and novel medical devices. He earned a PhD in Pharmaceutical Sciences from the University of Toronto, following which he held a CIHR post-doctoral fellowship at the British Columbia Cancer Research Centre. Prior to joining the University of Manitoba, Ho was a research assistant professor with the University of Utah Department of Bioengineering.

Ho was excited to return to Canada upon accepting his current position as assistant professor in Manitoba’s Faculty of Pharmacy, cross-appointed with the Faculty of Medicine Department of Immunology. He describes the faculty as supportive and friendly, saying, “it is easy to conduct research when I am surrounded with so many excellent minds.”

The Faculty of Pharmacy is proud of Ho’s accomplishments and is excited to see the research and innovation he will play a part in the years to come.
Research

Faculty of Pharmacy Research Grants & Awards

Researchers in the Faculty of Pharmacy received total funding of $1,081,714.10 for the period of April 1, 2010 to March 31, 2011 for 17 research projects. Please read on for detailed information.

Alessi-Severini, Silvia. ($1,250) Changes in prescribing trends, University of British Columbia, Merck Company Foundation - National summer research program for Canadian Pharmacy schools.

Anderson, Hope. ($100,000) Regulation of cardiac hypertrophy by the CB2 cannabinoid receptor, Heart & Stroke Foundation of Manitoba.

Anderson, Hope. ($30,000) Effects of freeze-dried table grape powder on resistance artery structure, function, and stiffness in hypertension, California Table Grape Commission.

Burczynski, Frank. ($2,400) Lucentis stability, Manitoba Health.

Gong, Yuewen. ($27,000) Mechanism of cellular differentiation and transdifferentiation, NSERC.

Gu, Xiaochen. ($93,900) Solid lipid nanoparticles of fluconazole and lidocaine. (Contract)

Ho, Emmanuel. ($393,969) Intravaginal ring for the prevention of HIV transmission, CIHR.

Ho, Emmanuel. ($19,000) Novel intravaginal ring for prevention of HIV transmission, Manitoba Medical Service Foundation.

Ho, Emmanuel. ($7,500) Long-term protection against HIV infection by targeting integrase gene expression, University of Manitoba, URGP.

Namaka, Michael, Frost, Emma. ($228,607) The molecular mechanisms underlying neuropathic pain associated with multiple sclerosis. (Contract)

Namaka, Michael. ($99,990) Effect of pregabalin on pain behaviours in rat sciatic nerve axotomy model. (Contract)


Namaka, Michael. ($7,460) Expression levels of immune mediators in a rat model of MS, University of Manitoba, URGP.

Namaka, Michael. ($4,993) Transcriptional regulation of BDNF in pediatric pain syndromes. Children’s Hospital Foundation of Manitoba Inc. Manitoba Institute of Child Health (MICH) Small Grant.

Vercaigne, Lavern; Miller, Lisa; Allan, Donald; Zacharias, James. ($25,000) Efficacy and safety of an ethanol/sodium citrate locking solution to prevent hemodialysis catheter-related infections: A pilot study, MedXL Inc.
Faculty of Pharmacy Research Grants & Awards ... cont.

Vercaigne, Lavern; Miller, Lisa; Allan, Donald; Zacharias, James. ($15,645.10) Efficacy and safety of an ethanol/sodium citrate locking solution to prevent hemodialysis catheter-related infections: A pilot study. Health Sciences Centre.

Zelenitsky, Sheryl. ($15,000) Comparing MRSA monotherapies to combinations under standard and septic shock infection site conditions in an in vitro infection model, Health Sciences Centre.

CIHR Indirect Costs Funding

In 2010/2011, the Faculty of Pharmacy received $24,000 of indirect costs funding, which was used to support, research and grant account ($9,277), and lab assistant support and equipment facility maintenance ($14,723).
Research

Peer-Reviewed Publications, Books & Book Chapters


Peer-Reviewed Publications, Books & Book Chapters ... cont.


Friesen, MH. Drug induced QT prolongation and Torsades de Pointes. CSHP (Manitoba branch) Fall Grand Rounds: September 22, 2010.


Peer-Reviewed Publications, Books & Book Chapters ... cont.


Hasinoff BB. The cardiotoxicity and myocyte damage caused by small molecule anticancer tyrosine kinase inhibitors is correlated with lack of target specificity. Toxicology and Applied Pharmacology 244:190-195, 2010.


Metge C, Sketris I, Alessi-Severini S. Seeking the balance between harm and benefit: the role of pharmaco-surveillance in choosing what drugs we should take. Health Policy 6 (special issue): 100-103, 2011.

Peer-Reviewed Publications, Books & Book Chapters ... cont.


Research

Peer-Reviewed Publications, Books & Book Chapters ... cont.


Raymond CB, Sood AR, Wazny LD. Treatment of hyperkalemia in patients with chronic kidney disease - a focus on medications. CANNT J 2010;20:49-53; quiz 54-5.
Peer-Reviewed Publications, Books & Book Chapters ... cont.


Raymond CB. Practice spotlight – staff development and practice evaluation pharmacist at the Winnipeg Regional Health Authority Can J Hosp Pharm 2010;63:389-90.


Raymond CB, Woloschuk DMM, Honcharik N. Attitudes and behaviours of hospital pharmacy staff toward near misses. Healthcare Quarterly 2011. [accepted for publication]

Raymond CB, Woloschuk DMM, Honcharik N. Attitudes and behaviours of hospital pharmacy staff toward near misses. Healthcare Quarterly 2011. [accepted for publication]

Research

Peer-Reviewed Publications, Books & Book Chapters ... cont.


Peer-Reviewed Publications, Books & Book Chapters ... cont.


Woloschuk DMM, Raymond CB. Should a process be developed to recognize “pharmacy practice residency equivalency” for pharmacists with substantial clinical experience who have not completed a pharmacy practice residency? PRO. Can J Hosp Pharm 2010;63(6):454-6.

Woloschuk DMM, Raymond CB. Development and evaluation of a workplace-based experiential preceptorship development program. J Cont Ed Health Prof. [submitted for publication]


Naylor H, Woloschuk DMM, Miller S, Fitch P. A retrospective audit of medication turnaround time following implementation of a standardized definition for “Stat”, “Emergent”, “Urgent”, and “Now” medication orders. Can J Hosp Pharm. [accepted for publication]

Woloschuk DMM, Raymond CB. Point-counterpoint [Pro]: Should a process be developed to recognize “pharmacy practice residency equivalency” for pharmacists with substantial clinical experience who have not completed a pharmacy practice residency? Can J Hosp Pharm 2011; 63(6): 454-5.


peer-reviewed publications, books & book chapters ... cont.


Conferences and Presentations


Lu Y, Kopilas MA, Shao Z, Fandrich RR, Kardami E, Anderson HD. Activation of CB2 cannabinoid receptors suppresses cardiac myocyte hypertrophy. 2nd Canadian Pharmacy Education & Research Conference [Association of Faculties of Pharmacy of Canada]. Winnipeg, Canada, 2011.

Anderson HD. “Cardioprotective mechanisms of conjugated linoleic acid” Therapeutic Applications of Functional Foods Symposium. Winnipeg, Canada, 2011. (Invited guest lectures)

Anderson HD. “Protective signaling by PPARs in cardiac hypertrophy” Department of Immunology, University of Manitoba, Winnipeg, Canada, 2011. (Invited guest lectures)


Ariano RE. ‘Keeping Current with Cardiovascular Care’ invited presentation on ‘Cardiac Drug Update’ Canadian Council on Cardiovascular Nurses (CCCN) conference at the Norwood Hotel, Winnipeg. June 6, 2011.
Research

Conferences and Presentations ... cont.

Ariano RE. Microbiology, Antimicrobials, and Infectious Diseases in the ICU. Manitoba Chapter of the Canadian Association of Critical Care Nurses (CACCN) meeting at the Grace General Hospital. November 30, 2010. (Invited presentation)

Ariano RE. Pharmacy often finds itself initially left out of collaborative health teams. How do we as a profession better establish ourselves as an essential component of these care groups and not an afterthought? Canadian Society of Hospital Pharmacists (CSHP) Residency Night. November 18, 2010. (Invited presentation)


Bugden S. Medication Safety: It’s “90% Mental and the Other Half is Physical”. Manitoba Pharmacy Conference. Winnipeg, Canada. April 15-17, 2011. (Presentation)


Conferences and Presentations … cont.


Li, Y, Burczynski FJ, and Gong Y. Association of Faculties of Pharmacy of Canada (AFPC), Winnipeg, Canada. June 7, 2011.


Thorling CA, Dancik Y, Burczynski FJ and Roberts MS. Multiphoton microscopy improves pharmacokinetic studies of drug distribution in the rate liver in vivo, the Australian Society of Medical Research 2010. Brisbane, Australia.


Falk J. Pharmacological management of behavioural disorders in dementia. Primary Care Nursing Association. Winnipeg, Canada. October 2010. (Podium presentation)
Conferences and Presentations ... cont.


**Falk J.** Cardiovascular risk reduction in Type II Diabetes. Manitoba Renal Pharmacists Continuing Education. Winnipeg, Canada. February 2011.

Chen Y. Lei W. **Gong Y.** and **Buczynski FJ.** Establishing a nonalcoholic fatty liver disease cell culture model. Association of Faculties of Pharmacy of Canada (AFPC). Winnipeg, Canada. June 7, 2011.

**Gong Y.** From growth factors to understand the kidney and liver relationship in traditional Chinese medicine. The 1st Shanghai International Integrative Medicine Conference. Shanghai, China. April 22-25, 2011.

**Gong Y.** Understanding of aging from the traditional Chinese medicine. The 28th Spring Symposium of the Centre on Aging of the University of Manitoba. Winnipeg, Canada. May 2, 2011.


**Hasinoff BB.** The cardiotoxicity and myocyte damage caused by small molecule anticancer kinase inhibitors is correlated with their lack of target specificity. Cardiovascular Complications in Oncology: Yesterday and Today, 2010a.

**Hasinoff BB.** The cardiotoxicity and myocyte damage caused by small molecule anticancer kinase inhibitors is correlated with their lack of target specificity. Western Canada Medicinal Chemistry Workshop:11, 2010b.
Conferences and Presentations … cont.


Hasinoff BB, Patel D, Wu X. Lapatinib in combination with doxorubicin is highly damaging to cardiac myocytes. American Association for Cancer Research Abstract no. 3576, 2011.

Wu X, Yalowich JC, Hasinoff BB. The anticancer kinase inhibitor dovitinib (TKI258) may have multiple modes of action because it also binds DNA and inhibits topoisomerase I and topoisomerase IIα. American Association for Cancer Research Abstract no. 2530, 2011.


Ho, EA. How Close Are We to an HIV Vaccine? Mid-Canada Association of Analytical Communities (AOAC). Winnipeg, Canada. June 2, 2011. (Keynote speaker)


Conferences and Presentations … cont.


McIntosh, AR. Member of the Evaluating Examination Panel of the Pharmacy Examining Board of Canada, annual panel meeting. Toronto, Canada. July 23-24, 2011.


Conferences and Presentations … cont.


**Pierce, GN.** 4th World Congress of the International Academy of Cardiovascular Sciences. Vadodara, India. February 1-3, 2011.

**Pierce, GN.** 6th Annual Symposium of Cardiovascular Medicine. Ahmedabad, India. February 4-6, 2011.


**Pierce, GN.** Flax Genomics Workshop. Winnipeg, Canada. February 22, 2011.

**Pierce, GN.** Department of Pharmacology, University of Manitoba. Winnipeg, Canada. March 25, 2011.


Woloschuk DMM, Raymond CB. “Growing Preceptors” Association of Faculties of Pharmacy of Canada Conference. Winnipeg, MB. June 7, 2011 (podium presentation)


**Raymond CB, Woloschuk DMM,** Honcharik N. Attitudes and behaviours of hospital pharmacy staff toward near misses. Canadian Society of Hospital Pharmacists 63rd Annual Summer Education Sessions. Halifax, Canada. August 2010. (Poster)


Research

Conferences and Presentations … cont.


Simons KJ. Symposium on Specific Allergy (SOSA) Congress. Paris, France, October 4-12, 2010.


Sitar DS. “Drugs to treat dementia and drugs that aggravate the demented state”. Community Therapy Services Inc. Winnipeg, Canada. October 22, 2010.


Conferences and Presentations … cont.


**Sitar DS.** Dementia Care 2011, Alzheimer Society of Manitoba. Winnipeg, Canada. March 7-8, 2011.


**Woloschuk DMM, Raymond CB.** Growing Preceptors. 2nd Annual Canadian Pharmacy Education and Research Conference “Pharmacy at the Forks: Education and Research Coming Together”. Winnipeg, Canada. June 7, 2011. (Platform presentation)

**Woloschuk DMM.** “Mean to don’t pick no cotton” (Providing support for technicians transitioning to a new profession). Canadian Society of Hospital Pharmacists 37th Annual Western Branches Banff Seminar. Banff, Canada. March 27, 2011. (Platform presentation)

Kreitz J, **Woloschuk DMM, Hayes C, Kozak M.** Quality assurance for a USP<797> compliant aseptic validation program in a multi-site pharmacy. Canadian Society of Hospital Pharmacists 37th Annual Western Branches Banff Seminar. Banff, Canada. March 26, 2011. (Poster)


**Woloschuk DMM.** gROPing around with Accreditation Canada. Manitoba-Saskatchewan Hospital Pharmacy Management Seminar. Kenosee, Canada. September 25, 2010. (Platform presentation)

Conferences and Presentations ... cont.

