



UNIVERSITY  
OF MANITOBA

## Faculty of Pharmacy

**Apotex Centre**  
750 McDermot Avenue  
Winnipeg, Manitoba  
Canada R3E 0T5  
Telephone (204) 474-9306  
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Dear Prospective Graduate Student:

Thank you for your interest in the graduate (M.Sc./Ph.D.) program at the Faculty of Pharmacy, University of Manitoba.

***On identifying a graduate advisor:***

Attached is a list of Pharmacy researchers who are currently willing to accept new graduate students. If you are interested in pursuing a graduate degree (M.Sc. or Ph.D.) under the mentorship of any of these faculty researchers, please

- Contact the faculty member directly to negotiate a graduate position. Examples of pertinent information to provide include a *curriculum vitae* or resume, all academic transcripts from previous post-secondary institutions as well as the University of Manitoba (as applicable), and descriptions of any previous research- or teaching-related experience.

***On applying to the Faculty of Graduate Studies:***

After you have negotiated a graduate position, applications to the Pharmacy graduate program are submitted through the Faculty of Graduate Studies.

- Pharmacy deadlines are as follows:

Session	Start Date	Canadian/US	International
FALL	September	June 1	March 1
WINTER	January	October 1	July 1
SUMMER (May Start)	May	February 1	November 1
SUMMER (July start)	July	April 1	January 1

- Minimum requirements for applicants (i.e. eligibility) and the application procedure are described on the University of Manitoba Faculty of Graduate Studies website:  
[http://www.umanitoba.ca/faculties/graduate\\_studies](http://www.umanitoba.ca/faculties/graduate_studies).

***If you have questions:***

Please contact Dr. Hope Anderson (Chair of the Pharmacy Graduate Studies Committee) or Ms. Lisa Zhang (Administrative Assistant to the Chair of Graduate Studies).

**Hope D.I. Anderson, PhD**

Associate Professor and Chair of Graduate Studies

Telephone: 1.204.235.3587

Email: [handerson@sbr.ca](mailto:handerson@sbr.ca)

**Lisa Zhang**

Graduate Program Administrator

Telephone: 1.204.480.1497

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### Current Graduate Training Opportunities:



**Dr. Silvia Alessi-Severini** is an Assistant Professor of Pharmacy. Project: *Effectiveness of second generation antipsychotic agents in the youth population of Manitoba: do the risks outweigh the benefits?* Treatment of psychiatric disorders has been particularly challenging in pediatric patients. Older antipsychotics (FGAs) have been rarely used because of limited efficacy and significant adverse effects particularly devastating in children. The introduction in the 1990s of the second generation agents (SGAs; e.g. risperidone, olanzapine, quetiapine, ziprasidone) brought a new hope for treatment of various psychotic symptoms in young patients. However, recent studies have reported new concerns about the safety of the SGAs and their increased use in children as young as 2

years of age. Canadian data on the utilization of antipsychotic agents in children are limited. Our research will use the extensive Manitoba Health databases to determine the utilization of SGAs in the youth population of Manitoba and will measure the incidence of adverse events in this population through the detection of diagnoses and other medications associated with the prescription of antipsychotic agents. Hospitalization rates and use of health care services will also be determined. Linkage with education databases will also allow for follow-up of the schooling received by young patients. The outcomes of this research will help understand the impact of antipsychotic treatments on the wellbeing of children and adolescents in a Canadian province. (☎ 204.474.9229; ✉ [alessise@cc.umanitoba.ca](mailto:alessise@cc.umanitoba.ca))



**Dr. Emmanuel Ho** is an Assistant Professor at the Faculty of Pharmacy and cross-appointed with the Department of Immunology. His research interests include the development and characterization of novel medical devices, vaccines, and drug delivery strategies for the treatment and prevention of HIV/AIDS and other infectious diseases. Dr. Ho is currently looking for motivated and enthusiastic graduate students that can help develop and characterize novel siRNA-based nanomedicines. The candidate will learn techniques ranging from pharmaceuticals, materials science, immunology, and molecular biology. Dr. Ho's research program is currently funded by the Canadian Institutes of Health Research (CIHR), Bill and Melinda Gates Foundation, Manitoba Medical Service Foundation (MMSF), and the Dr. Paul Thorlakson Fund. (☎ 204.272.3180; ✉ [emmanuel\\_ho@umanitoba.ca](mailto:emmanuel_ho@umanitoba.ca))



**Dr. Sheryl Zelenitsky** is a Professor at the Faculty of Pharmacy. Project: Vancomycin is the long-standing treatment of choice for infections caused by methicillin-resistant *Staphylococcus aureus* (MRSA). In light of increasing rates of MRSA and emerging resistance, there are growing concerns regarding the efficacy of vancomycin as first-line therapy for invasive or other serious infections. There are further questions as to the optimal use and dosing of vancomycin in the practice setting. The current study will characterize antimicrobial pharmacodynamics against MRSA in an *in vitro* infection model which simulates antibiotic serum concentrations in humans. In particular, the studies will involve a subset of MRSA isolates with reduced susceptibility to vancomycin and explore

potential alternatives (eg, higher doses, other agents, combinations) for maximizing bacterial eradication and minimizing resistance. (☎ 204.474.8414; ✉ [zelenits@ms.umanitoba.ca](mailto:zelenits@ms.umanitoba.ca))