

**TORONTO GENERAL HOSPITAL/ MCGILL UNIVERSITY HEALTH CENTRE
DEPARTMENT OF PHARMACY SERVICES
HIV RESIDENCY PROGRAM**

RESIDENCY OUTLINE

TYPE OF PROGRAM: HIV Specialty Residency

DATE: rev. August 2010

NO. OF RESIDENTS: 1

1. **PROGRAM DESCRIPTION:** The residency is a 12 month program of post-Pharm.D. or M.Sc.Pharm. training. It includes rotations in various aspects of HIV pharmacy practice, with an emphasis on ambulatory care. There is exposure to both ambulatory sites at Toronto General Hospital and at McGill University Health Centre.
2. **STARTING DATE:** June to September of each year (individualized for each resident)
3. **ROTATIONS/ACTIVITIES/LENGTH:**

ROTATION	ACTIVITIES	LENGTH
Ambulatory HIV Practice	Eight weeks will be spent at the Immunodeficiency Service of the Montreal Chest Institute, McGill University Health Centre, and eight weeks at the Immunodeficiency Clinic, Toronto General Hospital. The resident will acquire knowledge of the principles, strategies, and protocols for treating HIV infection and opportunistic infections in an ambulatory setting. The resident will demonstrate an understanding and appreciation of drug-related issues commonly encountered in the management of patients infected with HIV. The resident will be able to develop strategies to manage patients with evolving medical conditions and complex drug-related issues on an ongoing basis. The resident will also have teaching responsibilities for B.Sc.Pharm. hospital residents and Pharm.D. candidates doing elective HIV ambulatory rotations.	16 weeks
Outpatient Pharmacy	Understand the operations of an accredited HIV clinic pharmacy (The Clinic Pharmacy, Toronto General Hospital). Develop skills in the clinical aspects of a retail pharmacy.	2 weeks

ROTATION	ACTIVITIES	LENGTH
Inpatient Pharmacy	The resident will spend 4 weeks at Centre Hospitalier de L'Universite de Montreal. The resident will participate in patient care activities: medication histories; identifying, preventing and resolving drug-related problems; developing and implementing a pharmacy care plan; discharge patient counseling; providing drug information and pharmacokinetic services. Additional activities may include: conducting inservices to nurses and the medical staff when required; attending and participating in daily housestaff walk rounds and subspecialty rounds; and applying evidence-based medicine.	4 weeks
Drug Information & Marketing	This rotation is divided between the Medical Information Department, HIV area, and HIV Marketing group, ViiV Healthcare. The activities may include: providing drug information to pharmacists, nurses, physicians, and the public; developing a knowledge of utilizing primary, secondary and tertiary drug information resources; participating in Product Launches and training sessions, and understanding the role of Drug Information Services (D.I.S.) in the industry.	4 weeks
Therapeutic Drug Monitoring	Montreal Chest Institute, McGill University Health Centre. This rotation is with the Quebec Antiretroviral Therapeutic Drug Monitoring Program. The resident will assist in interpreting and validating TDM results and providing advice to physicians. Other activities include: development of dose adjustment algorithms, literature review, TDM-related presentations to health care professionals.	4 weeks
Pediatrics	Children's Hospital of Eastern Ontario. The resident will provide pediatric pharmaceutical care, including patient and parent counseling, adherence monitoring and support, making weight-based medication dose adjustments, and management of adverse drug reactions and interactions.	4 weeks
Electives	Two elective rotations are chosen by the resident in his/her areas of interest. A maximum of one non-clinical elective is allowed during the year. Potential rotations include infectious diseases (University Health Network) and research (Maple Leaf Medical). Other possibilities may include drug information (AIDS service organization), primary care (physicians offices) and international health; a maximum of one rotation with a non-pharmacist preceptor is allowed.	8 weeks
Project	The project is chosen in an area of interest to the resident as well as the Immunodeficiency Clinics and/or Departments of Pharmacy. The project includes proposal development, ethics submission, data collection, data analysis, manuscript write-up, and presentation of the completed study at the University of Toronto Pharmacy Residents Poster Presentation Night.	8 weeks

ROTATION	ACTIVITIES	LENGTH
Conferences/ Interdepartmental Activities	Time is allotted for attendance at educational conferences of interest to the resident, such as the annual Canadian HIV/AIDS Research conference (CAHR) and/or the annual Canadian HIV/AIDS Pharmacists Network (CHAP) meeting. Rotations will be adjusted to accommodate this.	Maximum 5 days during the year
Holidays		2 weeks

4. EXTRA-ROTATION ACTIVITIES:

- Presentations (maximum 1 per rotation); during the year, the resident will prepare and give at least 2 each of case-based presentations, evidence-based pharmacotherapy presentations and journal clubs.
- Attend subspecialty rounds when possible (e.g., HIV Rounds, Medical Grand Rounds, Infectious Diseases rounds)
- Attend journal club when appropriate
- Attend Intra-City Pharmacy Residency Rounds (Toronto)
- Assorted Projects and reports

- Annual Canadian Conference on HIV/AIDS Research (CAHR)
- Guest attendance at the annual Canadian HIV/AIDS Pharmacists (CHAP) meeting
- Annual HIV Pharmacist Education Conference Day, Ontario AIDS Bureau (optional)
- Annual Ontario HIV Treatment Network Research Conference (optional)
- Ontario Professional Specialty Group in HIV Disease meetings (3 meetings per year)
- Symposium sur les aspects cliniques de l'infection par le VIH (optional)
- Les journées québécoises VIH (optional)
- Symposium des pharmaciens du programme national de mentorat sur le VIH/SIDA (optional)
- CSHP Professional Practice Conference (optional)
- ASHP Mid-Year Meeting (optional)

5. PREREQUISITES:

Pharm.D. or M.Sc. graduate of a Faculty of Pharmacy in which the curriculum meets the standards established by the Association of Faculties of Pharmacy of Canada; eligible for licensure to practice pharmacy in a Canadian province.

Completed general hospital pharmacy residency (CHPRB-accredited or PGY-1) program.

6. APPLICATION PROCEDURES:

Interested applicants should send a cover letter describing their interest, a curriculum vitae, and two letters of reference to the Program Directors.

7. ADDITIONAL COMMENTS:

The resident is evaluated during and after each rotation and at the mid point of the residency year according to a structured evaluation process. The resident will maintain an ongoing Assessment Passport and Learning Portfolio. As well, there are quarterly reports and regular meetings with the Program Directors. Some rotations may be adjusted according to the resident's previous experience.

8. PROGRAM DIRECTORS:

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