

**GENERAL PROGRAM OUTLINE**

**TYPE OF PROGRAM:** General Hospital Residency

**NUMBER OF RESIDENTS:** Up to three (3)

**DATE:** Updated 2020

1. **PROGRAM DESCRIPTION:** The residency is a 52-week program of post-graduate training accredited by the Canadian Hospital Pharmacy Residency Board. It includes rotations in all aspects of hospital pharmacy practice including pharmacy operations, drug information, administration, and pharmaceutical care with opportunities to gain exposure to all sites of the University Health Network (Toronto General Hospital, Toronto Western Hospital, Princess Margaret Cancer Centre, Toronto Rehab Institute). UHN is a tertiary teaching care hospital affiliated with the University of Toronto.
2. **STARTING DATE:** September of each year
3. **ROTATIONS/ACTIVITIES/LENGTH:**

ROTATION	ACTIVITIES	LENGTH
Orientation	General orientation to the residency program and the pharmacy department including: 2 days of training on the pharmacy computer system (Centricity), Pyxis Drug Distribution System and UHN EPR computer system.	1 week
Pharmacy Operations and Practice	Residents will be introduced to the operation and clinical roles and responsibilities in a downtown tertiary-care teaching hospital. Operations include CIVA (central intravenous admixture) service, medication distribution via automated dispensing cabinets (Pyxis) and by patient specific cassette exchange, and in-house unit dose packaging. At the unit level residents will be introduced to the pharmacist's operational and clinical roles and responsibilities on an in-patient unit. Through participation, the resident will become familiar with all aspects of drug distribution for hospitalized patients. Inpatient activities will include the operation of the computerized unit dose system, the generation of patient/medication profiles, provision of patient care, the use of investigational/emergency release/clinical study drugs, the handling of narcotics and controlled drugs, and providing drug information to members of the health care team. Residents will be introduced to members of the health care team, interdisciplinary rounds, patient interviewing and clinical order review. This rotation includes a variety of teaching methods including individual reading, facilitated group discussion, observations and hands on training.	5 weeks
Leadership and Administration	Through this rotation the resident will develop an understanding of the leadership and management principles that may be applied to the operation of a hospital pharmacy as well as an understanding the role of the pharmacy department within the organization. The rotation will provide opportunities to gain knowledge, foster interest and exposure to management skills which will enhance problem-solving abilities, and contribute to pharmacy	2 weeks

ROTATION	ACTIVITIES	LENGTH
	leadership potential. This rotation is completed in conjunction with the other pharmacy residents and pharmacy learners.	
Clinical Rotations	<p>Twenty four weeks of the residency will be devoted to providing direct patient care via clinical rotations. Patient care activities include: patient interviews and medication histories, identifying, preventing and resolving drug-therapy problems; developing and implementing pharmacy care plans; discharge patient counseling; providing drug information and pharmacokinetic services. Additional activities include: conducting in-services to nurses and medical staff when required; attending and participating in team meetings and rounds; and applying evidence-based medicine. Residents will participate in case discussions, journal club, evidence-based medicine and formal case presentations to the pharmacy staff as well as teaching sessions lead by clinical leaders in the department.</p> <p>The mandatory clinical rotations include 8-9 weeks on a general medicine ward for the pharmacotherapy and pharmaceutical care rotation (PPC) and 4 weeks in critical care. The remaining 12 weeks will be spent in elective clinical rotations of the resident's choice which may include: primary care (Family Health Team), ambulatory nephrology (hemodialysis or peritoneal dialysis/chronic kidney disease), cardiology/cardiovascular ICU, ambulatory HIV/immunodeficiency, mental health, emergency medicine, malignant hematology, lymphoma/myeloma/autologous stem cell transplant, allogenic bone marrow transplant, palliative care, antimicrobial stewardship, emergency medicine, neuro rehab, complex continuing care, geriatric rehab, total parental nutrition services and/or solid organ transplantation.</p>	24 - 25 weeks
Drug Information	<p>The drug information rotation will provide the resident with a basic background in the storage, retrieval and dissemination of drug information using a practical "hands-on" manner. Activities include: providing drug information to pharmacists, nurses, physicians, and the public; developing a knowledge of utilizing primary, secondary and tertiary drug information resources; understanding the role of the Drug Information Service (DIS) and the Pharmacy and Therapeutics (P&amp;T) Committee; developing an awareness of the DIS available to the hospital pharmacist in Ontario. Residents may also have the opportunity to prepare a Drug Information Bulletin, an investigational drug monograph, a drug review for P&amp;T, and/or assist in the preparation of a DIS activities report.</p>	4 weeks
Project	<p>The resident has the opportunity to choose a project that is of interest to them and is in an area of need recognized by the Department of Pharmacy. The project includes a proposal, literature search, data collection, data analysis, project write-up, and presentation of completed project to the Residency Advisory Committee, pharmacy staff and at the annual CSHP Toronto area resident research night. The resident will work with a pharmacist preceptor knowledgeable in the area of the project chosen.</p>	8 weeks
Clinical Practice Rotation	<p>The resident will work in the capacity of a staff pharmacist on a clinical area that he/she is familiar with. The rotation is designed to give the resident exposure to a pharmacist's daily workload and serve as a transition period</p>	4 - 5 weeks

ROTATION	ACTIVITIES	LENGTH
	from residency to staff pharmacist. The rotation structure may vary each year; examples can be 4 - 5 weeks consecutively at the end of the year or divided up with the first two weeks of the rotation completed immediately following the pharmacotherapy and pharmaceutical care rotation on the General Medicine ward and the final weeks of the rotation will be completed during the final month of the residency program.	
Teaching/Preceptorship	Throughout the residency year, the resident will have the opportunity to teach, mentor, provide guidance and preceptorship to a variety of pharmacy learners and allied health professions at varying levels of training. In addition, residents will experience coaching, facilitation and leading small group teaching sessions.	Longitudinal
Conferences/ Interdepartmental Activities	Residents will attend the CSHP Professional Practice Conference in February as well as the annual Ontario Pharmacy Resident Clinical Conference organized by HPRFO.	~1 week
Vacation	To be scheduled before the start of the residency year.	2 weeks

**4. EXTRA- ROTATION ACTIVITIES:**

- Pharmacy department rounds including Clinical Foundations, Clinical Sharing Sessions & Clinical Coffee
- Pharmacy In-services
- Medical Grand Rounds
- Various Projects and teaching activities

**5. PREREQUISITES:**

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.

**6. APPLICATION PROCEDURES:**

As per CSHP and CPRB each year. The deadline is typically in late fall. Please consult [www.cshp.ca](http://www.cshp.ca) for details.

**7. ADDITIONAL COMMENTS:**

Residents are assessed during and after each rotation and at the mid point of their residency year according to a structured evaluation process. Some rotations may be adjusted according to the resident's previous experience.

**8. SALARY/BENEFITS:** \$35 000 per year. No benefits. Two weeks vacation.

**9. PROGRAM DIRECTORS:**

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**10. PROGRAM COORDINATORS:**

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