



PGY1 Pharmacy Residency Program Summary

Positions Available: 8 positions, 12-month (52 week) contract

Application Deadline: January 2nd (see PhORCAS)

Requirements: On-site or Virtual Interview, CV, 3 References, Official Transcript from ACPE Accredited College of Pharmacy (or pending accreditation)

Starting Date: Mid-June

Estimated Stipend: Approximately \$56,160/year

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Core Rotations:

- **Orientation** (5-6 weeks): Orientation to both UofL Hospital and Jewish Hospital, inpatient pharmacy, drug distribution systems/workflow, computer systems, unit dose and IV admixture programs. Resident will also be oriented to UofL Hospital clinical services, UofL Health policies/procedures, evaluation process within Pharmacademic, residency jobs, graduation requirements, and the drug information/research timeline. This will include multiple meetings with preceptors for focused topic discussions (research pearls, TPN, chemo preparation, crash cart, study medication process, IV pumps, etc). Residents will also be recertified (if needed) in BLS and obtain ACLS.
- **Internal Medicine** (1 month): Orientation to patient care areas and provision of pharmaceutical care for patients on general medicine floors, rounding with an internal medicine team, patient counseling, vaccine screening, pharmacokinetic drug monitoring, in-service physicians and nurses, medication reconciliation, clinical intervention documentation, attend medical group rounds, and begin to develop precepting skills through interaction with Pharm.D. APPE students on rotation.
- **Critical Care** (1 month, Medical, Surgical or Neuro ICU): Participate in the interdisciplinary care of patients in the medical, surgical or neuro intensive care units while rounding with the MICU, Trauma or Neuro-anesthesia teams,



actively monitor antibiotic use as part of the Antimicrobial stewardship team, extensive pharmacokinetic drug monitoring, presentations to physicians and nurses, clinical intervention documentation, medication reconciliation, and begin to develop precepting skills through interaction with Pharm.D. APPE students on rotation.

- **Outpatient Oncology** (1 month): Participate in direct patient care services within the Brown Cancer Center solid and hematologic malignancy outpatient oncology clinics. The resident in clinic works in collaboration with physicians, nurse clinicians, disease coordinators, and research coordinators in identifying and resolving medication related issues for oncology patients, provide in-services, become familiar with the primary literature related to the common chemotherapy regimens, learn to review and verify chemotherapy orders, oral chemotherapy monitoring, assess and make recommendations regarding supportive care measures, vaccine screening, medication reconciliation, and provide medication and chemotherapy counseling.
- **Ambulatory Care** (1-month, Primary Care or Specialty): Participate in direct patient care services either within Primary Care (anticoagulation, diabetes, and primary care clinics) or Specialty (gastrointestinal and hepatitis clinics). The resident will develop skills to independently monitor drug therapy and patient adherence to drug regimens, provide tailored patient education about disease states and therapeutic plans, screen and administer immunizations as appropriate, implement board of pharmacy-authorized protocols, and facilitate medication access in all clinics. The resident will attend outpatient pharmacy staff meetings and provide in-services to pharmacy staff or providers as assigned. Assist with APPE students as needed.
- **Administration** (1 month): Participate in staff planning activities, learn process of developing pharmacy budget, effective leadership strategies and communication techniques, understand available technology and automation in regards to safe medication use processes, trending of adverse drug events/medication errors, exposure to various management strategies, develop skills to create a new service within the organization, and multiple opportunities to interact with department and institution administration teams. Residents will spend time with leaders from across UofL Health downtown campus at UofL Hospital and Jewish Hospital (VP Pharmacy Services, Director of Downtown Operations, Inpatient Managers/Supervisors, Clinical Supervisor, Medication Safety Manger, Informatics pharmacist).
- **Infectious Diseases** (1 month, ID UofL or ID JH): Participate in daily academic rounds with the Infectious Diseases consult service at UofL Hospital (ULH) or Antimicrobial Stewardship services at Jewish Hospital (JH). These experiences provide services to patients either on the ULH ID consult services or as identified



by the system antimicrobial stewardship program. Residents can expect to actively monitor antibiotic use for drug appropriateness, dosing, duration, route, monitoring and efficacy, communicate ongoing patient information/labs to team on a daily basis, extensive pharmacokinetic drug monitoring, pharmacodynamic dosing adjustments, clinical intervention documentation, vaccine screening, and patient/physician medication-related education as needed. At JH, prospective audit and feedback, pre-authorization, and ICU antimicrobial stewardship will be emphasized, supporting the UofL Health system antimicrobial stewardship program.

- **Emergency Medicine** (1 month): Provision of direct patient care services for patients seen in the Emergency Department ranging in acuity from ambulatory care to critically ill and severe trauma. The resident will work with the interdisciplinary team of attending and resident physicians, nurse practitioners, nurses, and support staff. Residents will directly assist in timely medication verification, preparation, and procurement for patients in the ED and trauma resuscitation rooms. Residents will also actively participate in the management of the discharge culture collaborative practice service, provide therapy recommendations and pharmacokinetic consult services for patients in the ED, and serve as a direct drug information resource for nursing and provider staff.
- ***Elective Rotations** (3 available, 1 month): Residents may choose from the following: Infectious Diseases (UofL, if not selected for required), Stroke, Outpatient HIV Clinic, Informatics, Neonatal Intensive Care Unit, Bone Marrow Transplant, Clinical Oncology Infusion, Outpatient BMT Clinic, Psychiatry, or additional experience designed per resident interest. Of note repeat rotations require learning experience approval and must contain different goals/objectives and activities from the original rotation. Additional elective opportunities are available at UofL Health - Jewish Hospital including Infectious Diseases (JH, if not selected for required), Cardiology, Solid Organ Transplant (abdominal or thoracic), Cardio-Vascular ICU, and Cardiology ICU. An additional off-site elective opportunity is also available in Academia at Sullivan University College of Pharmacy. *Elective rotations are reviewed to ensure that no more than one-third of the program is within a specific disease state and/or patient population (i.e., critical care, oncology, etc.)

Longitudinal Rotations: (12 months, July to June)

- **Drug Information** (avg. 4 hrs./week): Provided in all rotations, continuous documentation of drug information provision (written and verbal), participation in the UofL Health P&T committee, completion of medication use evaluation including development of criteria, collection, analysis of data and presentation of results, development/revision of policies, formulary monograph preparation and



presentation, development of an organized system for staying current with pertinent literature, evaluating usefulness of biomedical literature, documentation of direct patient care activities, and providing concise, applicable and comprehensive medical writing.

- **Resident Research Project** (avg. 5 hrs. /week): Residents will gain experience in the design, department education and implementation of a new medication study and/or in-depth evaluation of medication use processes. Residents will complete a year, long residency research project, submit the project proposal to the Residency Research Advisory Committee, obtain approval from the hospital Institutional Review Board (IRB), collect, and analyze data, prepare a poster for presentation at Vizient/ASHP MCM, present the final project results at the regional residency conference, and prepare a final manuscript suitable for publication.
- **Teaching & Learning** (avg. 2 hrs. /week): Residents assist with teaching/precepting of Pharm.D. students during core rotations and student case conferences. Residents participate in a Teaching Certificate Program (Sullivan University College of Pharmacy). Additional activities include providing lectures for Sullivan University College of Pharmacy, leading small group discussions and/or labs for students on rotation at UofL/Jewish, and presenting a 1-hr CE lecture to the UofL Health pharmacy department.
- **Staffing/Service Commitment** (avg. 8 hrs. /week including evening shifts, weekends, holidays): Residents will learn to effectively staff the inpatient pharmacy at both UofL Hospital and Jewish Hospital by learning to prepare and dispense medications according to facility requirements, staffing every 3rd weekend (clinical and distributive), one 4-hour Monday-Thursday evening shift every week (4-8pm) and ~5-6 (8 hour) shifts during Office/Staffing month (December or February based on 8 resident staffing model; subject to change based on numbers of PGY1 residents). Residents will hone their prioritization skills while integrating information systems into their daily practice, learning Chapter 795/797/800 clean room guidelines, drug informational skills when fielding questions from physicians/nurses, staff supervision skills, dispensing systems, automation/robotics, clinical documentation, decentralized order entry to ensure safe and appropriate medication therapy for patients.
- **Antimicrobial Stewardship** (avg. 2hrs /week): This longitudinal experience is designed to provide an introduction of key infectious diseases (ID) concepts and syndromes, while exposing the resident to antimicrobial stewardship practices that benefit the patient and the healthcare system. The resident will perform real-time audits of patients in the acute care setting at both UofL Hospital and/or Jewish Hospital to evaluate and determine appropriate antimicrobial therapy. The goal of this learning experience is to optimize patient care while minimizing unintended



consequences of antimicrobial use. The resident will gain antimicrobial awareness and knowledge throughout each quarter. Additionally, the resident will be exposed to key duties and responsibilities of the antimicrobial stewardship team to gain insight into the multi-disciplinary strategy for optimal outcomes.

Other Program Opportunities:

- **Benefits:** medical, dental, vision, 401k retirement plan, flexible spending account, and life insurance.
- **Travel:** Residents attend ASHP-MCM, Great Lakes Pharmacy Resident Conference, KSHP meetings (as needed). Interview and/or licensure leave is granted at the discretion of the residency director (4 personal days).
- **Vacation / Holidays:** Residents will be allowed 12 days of PTO and will staff 2 holidays per year. Additionally, the following days are required workdays unless prior PTO approval obtained: New Year's Eve, Christmas Eve, Black Friday, Oak's Day.
- **Residency Banquet and Cook-Out**
- **Residency Team Building Activities**
- **Resident Jobs**

PGY2 Residency Programs for 2024-2025:

- **PGY2 Oncology (2 positions)**
- **PGY2 Critical Care (1 position)**
- **PGY2 Ambulatory Care (1 position)**
- **PGY2 Internal Medicine (1 position)**
- **PGY2 Emergency Medicine (1 position)**
- **PGY2 Infectious Diseases (1 position)**