Rotation Descriptions: *Required Block Learning Experiences*

Infectious Disease (4 weeks) – This experience is designed to further develop the resident's knowledge and skills pertaining to infectious disease. The residents will round with the Infectious Disease team and gain exposure to the microbiology lab and infection prevention.

Preceptor: Marsha Crader, PharmD, FASHP

Clinical Services (4 weeks) – This experience occurs early in the year and will focus on training the resident in the roles and responsibilities of the clinical pharmacist for various inpatient areas. The resident will learn to utilize Vigilanz, a clinical surveillance software, to assist with pharmacokinetic dosing (vancomycin and aminoglycosides), renal dosing, antimicrobial stewardship, anticoagulation monitoring, opioid stewardship, dofetilide monitoring, and adverse event reporting.

Preceptor: Jennifer Tate, PharmD, BCIDP; Han Na Cho, PharmD

Medical ICU (4 weeks) – This experience allows the resident to gain exposure to a variety of critical care patients in our 46-bed intensive care unit. It focuses on developing the resident's knowledge and skills related to critical care and allows the resident to work closely with other members of the healthcare team. The resident will attend daily interdisciplinary rounds as well as teaching rounds with the intensivist and medical residents.

Preceptors: Savannah Pratt, PharmD, BCPS

Internal Medicine (4 weeks) – This experience allows the resident to provide inpatient pharmaceutical care for patients admitted to the St. Bernards Internal Medicine Residents' Service. The resident will attend sit-down rounds with the team daily and is responsible for providing evidence-based recommendations, relaying drug information, designing and/or modifying patients' medication regimens, ensuring safe and effective medication usage, and assisting with transitions of care.

Preceptors: Prisca Taylor, PharmD, BCPS; Jordan Carmack, PharmD; Han Na Cho, PharmD

Pharmacy Orientation (6 weeks) – This experience is designed to orient the resident to the hospital and residency program and develop the resident's knowledge and skills related to the centralized pharmacist role. Training will be focused on understanding the workflow of the inpatient pharmacy and completing required initial competencies, which prepare the resident to function as an independent pharmacist.

Preceptors: Andrea Davis, PharmD; Keith Rubottom, PharmD, BCSCP; Laura Koehler, PharmD

Rotation Descriptions: *Acute Care Selective Learning Experiences*

Emergency Medicine (4 weeks) – During this experience, the resident trains alongside an experienced emergency medicine pharmacist in our 39-bed emergency department (ED). The emergency medicine pharmacist actively participates in patient care decisions including resuscitations, transitions of care, medication reconciliation, treatment recommendations, and medication dosing and monitoring. This pharmacist is also responsible for final culture follow-up for patients not admitted to the hospital.

Preceptor: Anne Harris, PharmD, BCPS, BCEMP; John Michael Houeye, PharmD

Perioperative Pharmacy (4 weeks)- This learning experience offers comprehensive knowledge in the management of medications used throughout the surgical patient care continuum. Residents will gain hands-on experience in preoperative, intraoperative, and postoperative medication management, including the selection, preparation, and monitoring of drug therapy in the perioperative setting.

Preceptor: Payton Snodgrass, PharmD

Rotation Descriptions: *Required Longitudinal Learning Experiences*

Hospital Staffing (11 months) – Residents will begin staffing in the central pharmacy after successful completion of orientation. Staffing requirements include:

- One evening shift per week
- Every 4th weekend – Saturday and Sunday (varied hours and shifts)
- 2 holidays (major: Thanksgiving Day, Christmas Day, New Year's Day; minor: Memorial Day, July 4th, and Labor Day)
- As assigned based on departmental needs during December and Spring Break

Preceptors: Keith Rubottom, PharmD, BCSCP; Laura Koehler, PharmD

Medication Safety & Leadership (12 months) – This experience will expose the resident to the roles and responsibilities of the pharmacy leadership team while incorporating medication safety activities. The resident will meet with pharmacy leadership twice monthly and as needed for rotation activities and will work with the Medication Safety Officer to review medication-related occurrences, assist with occurrence follow-up, and identify trends or opportunities for improvement within the medication-use system.

Preceptors: James Welborn, PharmD; Melanie Burnett, PharmD, MBA; Andrea Davis, PharmD; Jeremy Hanner, PharmD, BCPS

Parenteral Nutrition (4 weeks) – Residents will gain the skills necessary to become a part of the pharmacy's nutrition support team. This team assists in providing optimal nutrition for adult patients in need of parenteral nutrition (PN). The resident will be involved in dosing and monitoring PN in accordance with hospital policies.

Preceptors: Marcy Fielder, PharmD; Jordan Carmack, PharmD; Han Na Cho, PharmD

Residency Projects (12 months) – Residents will be responsible for completing one major project during the residency year. The project may address quality improvement, a practice problem, or a research question. The resident will complete training through the Collaborative Institutional Training Initiative (CITI) Program prior to project submission to the St. Bernards Institutional Review Board (IRB). The project will be presented at the Midsouth Pharmacy Residents Conference and preparation a manuscript suitable for publication will be required. Additionally, the resident will have the opportunity to complete the UAMS College of Pharmacy's Research Certificate Program. Participation in the certificate is not required. Residents will also complete a medication-use evaluation (MUE) as well as prepare a drug monograph, drug class review, treatment guideline, and/or protocol as assigned.

Preceptors: Andrea Davis, PharmD; Prisca Taylor, PharmD, BCPS; Others based on project expertise

Teaching Certificate Program (10 months) – Residents will be required to participate in the UAMS College of Pharmacy's Teaching Certificate Program. The program's goal is to promote and support the ongoing development of participants' teaching and assessment skills, helping them serve as effective educators to learners of all types, including students, professional colleagues, and patients/families. Activities in the program are meant to be individualized according to the participant's identified areas of need related to teaching-specific professional development.

Preceptor: Andrea Davis, PharmD; Marsha Crader, PharmD, FASHP

Rotation Descriptions: *Elective Learning Experiences*

Antimicrobial Stewardship (4 weeks) – This experience builds on knowledge gained during the Infectious Disease experience. Projects will vary from year to year based on departmental needs related to inpatient and/or outpatient stewardship efforts.

Preceptor: Marsha Crader, PharmD, FASHP

Ambulatory Care (4 weeks): This experience will provide the resident with exposure to the pharmacist's role in specialty pharmacy and ambulatory patient care. The resident will participate in activities related to medication management, patient education, medication access, and monitoring of specialty medications, with opportunities to support safe and effective medication use and continuity of care.

Preceptor: Amanda Russell, PharmD

Cardiovascular ICU (4 weeks): This experience offers a unique opportunity to gain hands-on experience in managing critically ill cardiovascular patients. This rotation covers a broad spectrum of cases, including post-operative care for coronary artery bypass grafting (CABG), valve replacements, left ventricular assist devices (LVADs), impella support devices, and occasionally patients requiring extra corporeal membrane oxygenation (ECMO). The resident will attend daily interdisciplinary rounds with the cardiovascular team comprised of cardiovascular surgeons, nurse practitioners, case managers, dietitians, and physical therapy.

Preceptors: Savannah Pratt, PharmD, BCPS

Neonatal Intensive Care and Pediatrics (4 weeks) – This experience takes place on our inpatient pediatric floor and 19-bed Neonatal Intensive Care Unit (NICU). Our NICU team is able to safely provide continuous care to critically-ill term and preterm infants delivered 12 – 13 weeks early for as long as needed. The pediatric clinical pharmacist is responsible for rounding with 2 services daily: the neonatologist service and the pediatric hospitalist service. Residents will focus on learning the clinical pharmacist's roles and responsibilities related to managing these patients.

Preceptors: Marcy Fielder, PharmD; Jordan Carmack, PharmD; Han Na Cho, PharmD

Neuro ICU (4 weeks): This experience will provide residents with the opportunity to deepen their understanding of pharmacotherapy for critically ill neurology patients. Residents will manage complex cases including subarachnoid hemorrhage (SAH), subdural hematoma (SDH), patients with external ventricular drains (EVDs), strokes, and other severe neurological conditions. This rotation emphasizes acute management strategies, including the use of neuroprotective agents, anticoagulant reversal, and seizure prophylaxis, while fostering skills in critical care monitoring, dose adjustments, and interdisciplinary collaboration

Preceptors: Savannah Pratt, PharmD, BCPS

Oncology (4 weeks) – This experience takes place at the outpatient oncology clinic and infusion center. The resident will gain experience in oral chemotherapy counseling, responsibilities of the infusion center pharmacist, and management of oncology patients admitted to SBMC.

Preceptor: Jade Lawson, PharmD

Pharmacy Informatics (4 weeks) – This experience will allow the resident to work closely with our informatics pharmacist. Projects will vary based on the needs of the department but may encompass the various technologies used within the hospital (e.g., Meditech, Omnicell, IV smart pumps, Vigilanz).

Preceptors: Andrew Hodge, PharmD; Hilary Dowd, PharmD

Transitions of Care – This experience allows the resident to participate in the pharmacy's transitions of care service focusing on patients with the diagnosis of heart failure and chronic obstructive pulmonary disease.

Preceptor: Megan Pham, PharmD

Advanced Medication Safety (4 weeks) – This experience will provide the resident with opportunities to apply advanced medication safety principles through identification of system-level risks, analysis of medication safety data, and development or implementation of strategies to improve patient safety. Activities will be tailored to current medication safety priorities and may include participation in medication safety initiatives and quality improvement projects.

Preceptor: Jeremy Hanner, PharmD, BCPS

Psychiatric Medicine (4 weeks) – This experience allows the resident to learn and perform the roles and responsibilities of the clinical pharmacist at St. Bernards Behavioral Health.

Preceptor: Lisa Matthews, PharmD

Medical ICU II, Internal Medicine II, and Emergency Medicine II (4 weeks each) – These advanced experiences will build on the resident's previous experiences and allow the resident to function independently as the pharmacist on the service. Preceptors will remain the same as the initial experience.