

# **Postgraduate Year One (PGY1)/Postgraduate Year Two (PGY2) 24-Month Integrated Pharmacotherapy Residency Program**

## **Introduction**

The MUSC Medical Center is a 690-bed tertiary care academic medical center providing care for patients of Charleston and throughout the state of South Carolina. In addition to general medical and surgical services, MUSC offers a variety of specialty services including cardiothoracic, transplant and neurosurgery, level I trauma center, digestive disease, psychiatry and level III neonatal intensive care. The medical center is comprised of four hospitals, Ashley River Tower, Children's Hospital, Institute of Psychiatry, and University Hospital. Outpatient facilities include the Hollings Cancer Center, Ashley River Tower Clinics, Rutledge Tower Clinics, Family Medicine Center and affiliated faculty practice ambulatory care centers.

The Department of Pharmacy Services provides service to patients on a 24 hour basis through multiple inpatient and ambulatory pharmacies to fulfill the department's mission, vision, and goals of providing optimal pharmaceutical care to all patients

## **Purpose**

The Postgraduate Year One (PGY1)/Postgraduate Year Two (PGY2) 24-Month Integrated Pharmacotherapy Residency Program is designed to develop accountability; practice patterns; habits; and expert knowledge, skills, attitudes, and abilities in the respective advanced area of pharmacy practice. The PGY 1 Pharmacotherapy Residents will acquire substantial knowledge required for skillful problem solving, refine their problem-solving strategies, strengthen their professional values and attitudes, and advance the growth of their clinical judgment. The PGY 2 Pharmacotherapy Residents build upon the broad-based competencies achieved in the PGY1 Pharmacotherapy residency, deepening the resident's ability to provide care in the most complex of cases or in the support of care through practice leadership. Therefore, the Pharmacotherapy Residency Program provides residents with opportunities to function independently as practitioners by conceptualizing and integrating accumulated experience and knowledge and transforming both into improved medication therapy for patients. A resident who completes successfully an accredited PGY1/PGY2 Pharmacotherapy Residency Program should possess competencies that enable attainment of board certification in this practice area (i.e. BCPS). Additionally, after completion of the two-year pharmacotherapy residency, the resident should have the knowledge base and skill set to attain either a faculty or non-faculty position in, but not limited to, the following areas: ambulatory care, internal medicine, or critical care.

## **Outcomes**

Specific residency goals and objectives will be established in the beginning of the residency and modified according to the resident's interests and previous experiences

and advisor input. To meet the purpose of the residency, the resident will advance to achieve the following outcomes:

- Demonstrate leadership and practice management skills
- Optimize the outcomes of diverse populations of inpatients and outpatients with varied and complex health care problems through the expert provision of evidence-based, patient-centered medication therapy as an integral part of an interdisciplinary team
- Serve as an authoritative resource on the optimal use of medications
- Demonstrate excellence in the provision of training and educational activities for health care professionals, health care professionals in training, and the public
- Contribute to the body of pharmacotherapy knowledge
- Demonstrate skills required to function in an academic setting
- Manage and improve the medication use process
- Demonstrate project management skills
- Utilize medical informatics

### **The Residency Experience**

The Residency in Pharmacotherapy at the Medical University of South Carolina is a post-PharmD program which provides twenty-four months of training in contemporary pharmacy practice. The experience is intended to build knowledge and clinical skills across all areas of pharmacotherapy and provide both institutionally-based and outpatient (ambulatory or primary care) practice experience. In addition, the pharmacotherapy residents will have the opportunity to work with pediatric, adult, and geriatric patient populations. The resident will have various levels of involvement clinical research, department of pharmacy services projects, and teaching of doctor of pharmacy students.

### **Learning Experiences (example)**

<b>PGY1</b>	<b>Practice Area</b>	<b>Specific Rotation</b>	<b>Clinic</b>
July	Practice Management	Orientation/staffing	None
August	Practice Management	Administration	½ day/ week (CHF)
September	Practice Management	Drug Information	½ day/ week (CHF)
October	Pediatrics	General Pediatrics	½ day/ week (CHF)
November	Pediatrics	Pediatric ICU	½ day/ week (CHF)
December	Psychiatry	General Psychiatry	½ day/ week (CHF)
January	Psychiatry	Geropsychiatry	½ day/ week (CHF)
February	Internal Medicine	Cardiology	½ day/ week

			(CHF)
March	Internal Medicine	General Medicine	½ day/ week (CHF)
April	Internal Medicine	Nephrology	½ day/ week (CHF)
May	Internal Medicine	Hematology	½ day/ week (CHF)
June	Internal Medicine	Pulmonary	½ day/ week (CHF)
<b>PGY2</b>			
July	Internal Medicine	Infectious Disease	½ day/ week (HIV)
August	Ambulatory Care	Internal Med Clinic	½ day/ week (HIV)
September	Ambulatory Care	Family Med Clinic	½ day/ week (HIV)
October	Critical Care	Trauma/Nutrition	½ day/ week (HIV)
November	Critical Care	Transplant	½ day/ week (HIV)
December	Critical Care	Neurosurgery	½ day/ week (HIV)
January	Critical Care	Medical ICU	½ day/ week (HIV)
February	Critical Care	Cardiothoracic Surgery	½ day/ week (HIV)
March	Critical Care	Emergency Medicine	½ day/ week (HIV)
April	Critical Care	Digestive Disease ICU	½ day/ week (HIV)
May	Critical Care	Medical ICU	½ day/ week (HIV)
June	Internal Medicine	Cardiology ICU	½ day/ week (HIV)

### Teaching

- Required:
  - Minimum of one didactic lecture per year
  - Inservices to pharmacy, medical and nursing staff during rotations
- Optional:
  - Participation in teaching certificate program
  - Co-preceptor of PharmD students on rotation

### Preceptors

Wendy Bullington, PharmD, BCPS  
Pharmacotherapy Program Director  
Internal Medicine Coordinator  
Clinical Assistant Professor  
Clinical Specialist, Emergency and  
Pulmonary Medicine

Jean Nappi, PharmD, FCCP, BCPS  
Past Pharmacotherapy Program Director  
Professor, Dept. of Pharmacy and Clinical  
Sciences  
Clinical Specialist, Cardiology

David Taber, PharmD, BCPS  
Critical Care Coordinator  
Clinical Assistant Professor  
Clinical Specialist, Transplant

Dominic Ragucci, PharmD, BCPS  
Pediatric Coordinator  
Clinical Assistant Professor  
Clinical Specialist, Pediatric Heme/Onc

Amy Vandenberg, PharmD, BCPP  
Psychiatry Coordinator  
Clinical Assistant Professor  
Clinical Specialist, Psychiatry

Kelly Ragucci, PharmD, BCPS, CDE  
Assistant Residency Director  
Associate Professor of Family Medicine  
Clinical Specialist, Family Medicine

Joseph Mazur, PharmD, BCPS,  
BCNSP  
Clinical Pharmacy Manager  
Clinical Assistant Professor  
Clinical Specialist, Medical ICU

Paul Bush, PharmD, MBA, FASHP  
Pharmacy Services Director  
Residency Program Director  
Clinical Assistant Dean

The resident will also have significant interactions with the staff pharmacists and technicians practicing in the areas in which they will be rotating.

**On-site interviews will be required.**

For Further Information Contact:  
**Residency Program Director**

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