



Orlando Regional Medical Center - Orlando Health PGY-2 Critical Care Pharmacy Residency

The PGY-2 Critical Care Pharmacy Residency at Orlando Health is a one-year post-graduate training program designed to develop essential knowledge and skills for contemporary health-system pharmacy practice. The residency program provides flexibility to adapt to the resident's specific learning needs and goals. Training is provided through rotational and longitudinal experiences.

Graduates of the Orlando Health PGY-2 Critical Care Pharmacy Residency will be competent and confident practitioners of pharmaceutical care in multiple patient care environments, assuring safe, effective and appropriate drug therapy.

All of the required clinical rotations will be conducted at Orlando Regional Medical Center (ORMC). Elective rotations could take place at ORMC, Arnold Palmer Medical Center (APMC), Winnie Palmer Hospital for Women & Babies (WPH), or South Seminole Hospital.

PGY2 Program Purpose

PGY2 pharmacy residency programs build on Doctor of Pharmacy (Pharm.D.) education and PGY1 pharmacy residency programs to contribute to the development of clinical pharmacists in specialized areas of practice. PGY2 residencies provide residents with opportunities to function independently as practitioners by conceptualizing and integrating accumulated experience and knowledge and incorporating both into the provision of patient care or other advanced practice settings. Residents who successfully complete an accredited PGY2 pharmacy residency are prepared for advanced patient care, academic, or other specialized positions, along with board certification, if available.

Goals of the Residency

Graduating PGY-2 Critical Care Pharmacy Residents will:

1. Assure safe, effective, appropriate drug therapy and prevent, identify, and resolve drug related problems.
2. Present as a competent, confident, and compassionate practitioner and set and reassess goals.
3. Demonstrate a commitment to the advancement of the profession and continued personal growth.
4. Possess comprehensive health-system pharmacy skills that promote future professional growth.
5. Create, promote, and participate as a part of a multidisciplinary healthcare team.
6. Demonstrate the ability to identify opportunities for improvement within a practice and practice site.
7. Provide education to professional and non-professional audiences, utilizing effective communication skills.
8. Demonstrate a foundation of leadership skills in pharmacy practice.

Residency Director

Marlena Fox, Pharm.D., BCPS, BCCCP
Director, PGY-2 Critical Care Pharmacy Residency
Clinical Pharmacist, Critical Care Medicine



Education: Pharm.D., Medical University of South Carolina, Charleston, SC (2006)

Training: PGY-1 Pharmacy Practice Residency (2006-2007) & PGY-2 Critical Care Residency (2007-2008) at Shands at the University of Florida, Gainesville, FL

Interest Areas: Targeted temperature management post cardiac arrest, pulmonary arterial hypertension, sedation/ delirium, alcohol withdrawal in ICU

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Required and Elective Rotations

Required Rotations:

- Cardiovascular ICU (1 month)
- Critical Care Medicine (2 months)
- Emergency Medicine (1 month)
- Orientation (1 month)
- Neurocritical Care (1 month)
- Nutrition Support (1 month)
- Project Development (1 month)
- Surgical Critical Care (2 month)
- Elective experience (2 months)

Elective Rotations:

- Adult Infectious Diseases
- Burn Surgery Service
- Pediatric Critical Care
- Rapid Response Team
- Trauma/General Surgery
- Women's Health
- Repeat of any required rotation

Additional Longitudinal Activities

- Critical Care Practice Research Project
 - Design and conduct a project to develop or enhance an aspect of patient care specific to critically ill patients
 - Present results at the Florida Residency Conference
 - Prepare a manuscript suitable for publication
 - Prepare abstract for submission to the Society of Critical Care Medicine (SCCM)
- Medication Use Evaluation (MUE)
- Evidence-Based Medicine Guideline / Protocol / Order Set
 - Develop an evidence-based medicine guideline / protocol / order set related to individual and/or population-based care of critically ill patients
- ACPE-accredited CE Presentations (2 hours)
 - Prepare and present a 1-hour seminar focusing on a controversial critical care pharmacotherapy issue
 - Present a 1-hour patient-case based topic review or pro/ con debate with another PGY-2 critical care resident to debate the literature and application to pharmacy practice
- Didactic Teaching Experience
 - Opportunities will be provided for the resident to develop and present lectures to medical students and residents
 - Resident interactive teaching experience (RITE) for education of pharmacy students
- PGY-2 Pharmacy Journal Club
 - Organize and participate in quarterly PGY-2 critical care journal club
- Critical Care Administration
- Code Blue 90 Response
- Leadership development
- Resident wellness program

Weekend Experiences

Pharmacy Operations

- Serve as a clinical staff pharmacist in the ICU satellite at ORMC
- 12 hour shifts every sixth weekend and two 4 hour evening shifts for each weekend worked
- Responsibilities:
 - Processing medication orders
 - Answering drug information questions from health-care professionals
 - Monitoring drugs specified in the Targeted Drug Review program
 - Comprehensive monitoring of vancomycin and aminoglycosides

Clinical Weekends

- Approximately 4-6 hour shifts every eighth weekend
- Responsibilities:
 - Total Parenteral Nutrition (TPN) consults for ORMC
 - Vancomycin and Aminoglycoside Pharmacokinetic Consults for ICUs

Program Specifics

ASHP Residency Directory Information

- Duration: **12 months**
- Rotations:
 - 1 month orientation (July)**
 - 9 required rotations**
 - 2 elective rotations**
- Number of Positions: **2**
- Total # of Residents at Institution: **9**
- Starting Date: **July 1**
- Estimated Stipend: **~\$50,000** (no state income tax)
- Interview Required: **Yes**
- Training Site: **Orlando Health Hospitals**
- Practice Setting: **Community Teaching**
- Total Beds: **2,295 beds (Orlando Health System)**

Residency Program Benefits

- Monogrammed Lab Coat
- Free Parking
- Discounted Meals
- Resident Office Space
 - Desk with personal computer
 - Laptop computer for patient care rounds
- Reduced Professional Membership Fees
- Reduced Meeting Registration Fees
- Travel Reimbursement for the following meetings:
 - Society of Critical Care Medicine Annual Congress or similar meeting
 - ASHP Midyear Clinical Meeting
 - Florida Residency Conference
- Pharmacy Continuing Education

Additional Residency Program Benefits

- Available benefit programs:
 - Medical
 - Dental
 - Vision
 - Liability
 - Life
 - Disability
 - Retirement
- 144 Hours of Paid Time Off
 - Vacation
 - Holidays
 - Sick days
 - Interviews
- 40 additional hours available for appropriate conditions requiring extended leave

Orlando Health Pharmacy Residency Basics

- Employment as a pharmacy resident at Orlando Health is contingent upon the following:
 - Obtaining a Florida Pharmacist license within 90 days of the start of residency
Florida Board of Pharmacy Website: www.doh.state.fl.us/mqa/pharmacy/ph_home.html
 - Completion of the Orlando Health pre-employment physical
 - A negative drug test including cotinine (a metabolite of nicotine)
- A residency advisor is assigned to mentor the resident throughout the year.
- Advisors are also selected to assist the resident with completion of their projects (See Additional Required Activities).

PGY-2 Critical Care Pharmacy Residency Preceptors

PGY-2 Critical Care Residency Preceptors:

- Jeanine Ballinger, PharmD
- Kara Birrer, PharmD, BCPS
- William Carothers, PharmD, BCCCP
- Marlena Fox, PharmD, BCPS, BCCCP
- Jeff Gisel, BS, RPh
- Brandon Hobbs, PharmD, BCPS
- Brandon Huang, PharmD, BCCCP
- Melanie Perry, PharmD, BCCCP
- Deba Rihani, PharmD, BCPS, BCCCP

Additional Elective Preceptors:

- Pamela Andrews, PharmD, BCPS
- Dominick Curry, PharmD, BCCCP
- Shauna Junco, PharmD, BCPS
- Xi Liu, PharmD, FCCM
- Janessa Smith, PharmD, BCPS