



## ASHP Accredited PGY-2 Critical Care Residency

Internet site: [www.uwhealth.org](http://www.uwhealth.org)

Number of Positions: 1  
 Application Deadline: **January 2, 2022**  
 Starting Date: July 11, 2022  
 Stipend/Benefits: \$47,500; 10 days of paid time off and 5 legal holidays. As employees of UW Health, residents receive full health insurance benefits and full access to the University of Wisconsin's recreational, educational, and cultural facilities.  
 Interview Required: Yes

- STRENGTHS:**
- Depth and breadth of clinical pharmacy services at UW (and long history of such)
  - World class center of medical excellence
  - 24 bed medical/surgical intensive care unit (Level 1 Trauma Center)
  - Excellent relationships with physicians and nurses
  - Experienced critical care pharmacists with subspecialties in ID, cardiology, and renal dosing
  - Integral part of multidisciplinary team
  - Flexibility in tailoring program to needs/interests
  - "Staffing" in intensive care unit rather than production
  - Academic medical center resources
  - Extensive involvement with School of Pharmacy in didactic teaching and preceptorship of students

Adult Acute Care Required Rotations (4 weeks in duration unless otherwise specified)	Acute Care Elective Rotations
<ul style="list-style-type: none"> <li>• Medical/Surgical Critical Care (TLC) (minimum 3 rotations with first rotation being 8 weeks)</li> <li>• Nutrition Support (2 weeks)</li> <li>• Neurosciences ICU/Neurocritical Care</li> <li>• Cardiac Medicine / Cardiothoracic Surgery ICU</li> <li>• PICU/NICU</li> <li>• Infectious Diseases</li> <li>• Emergency Medicine</li> </ul>	<ul style="list-style-type: none"> <li>• Toxicology (2 weeks)</li> <li>• Medical/Surgical Critical Care (TLC) (extra rotation) (4 weeks)</li> <li>• Others based on resident interest</li> </ul>

*The primary focus of the residency is to become a competent critical care clinician in areas of medical and surgical critical care pharmacotherapy*

**Activities while on the unit will include (but are not limited to):**

- Rounding with the critical care team daily
- Patient monitoring/problem solving
- Investigation of medication error reports and adverse drug reactions
- Drug information and literature searches
- Attending codes
- Team-related projects
- Communication and interaction with pharmacists, physicians, nurses, respiratory therapists, and dietitians
- Contributing as a member of the critical care team

**PROJECTS:**

- Major research project suitable for publication
  - Major project will be presented at the Great Lakes Pharmacy Resident Conference. Residents may also present at the Pharmacy Society of Wisconsin Educational Conference.
  - It may also be presented at the Society of Critical Care Medicine Annual Meeting or the American Society of Health-System Pharmacists or other clinical meeting.
- Past resident projects include:
  - Assessed propylene glycol toxicity from lorazepam infusions
  - Developed enteral feeding/drug interaction table
  - Surveyed Critical Care pharmacy practice across the US
  - Evaluated the use of an antibiotic order form in the ICU
  - Evaluated the use of a CRRT table for dosing of antibiotics and non-antibiotics

- Assessed the time to positive cultures and antibiotic changes
- Assessed the percentage of patients who were started on stress ulcer prophylaxis and then were inappropriately prescribed them on discharge
- Evaluated differences between pharmacist-obtained and physician-obtained medication histories in the intensive care unit
- Evaluated the use of prolonged infusions of piperacillin/tazobactam and meropenem in the intensive care unit
- Quetiapine use in a mixed medical/surgical intensive care unit
- Efficacy of a novel antibiotic dose reduction strategy based on pharmacokinetic and pharmacodynamic principles in the intensive care unit
- Evaluated the efficacy of a new dosage regimen for daptomycin
- Monte Carlo simulation of antibiotics on CRRT

***CURRENT POSITIONS OF PAST RESIDENTS:***

- Medical liaison for pharmaceutical company
- Critical care pharmacy specialist
- Professor of critical care and nutrition
- Emergency medicine pharmacy specialist
- Antimicrobial stewardship pharmacist

***PRESENTATION OPPORTUNITIES:***

- Pharmacy grand rounds interactive lunch and learn (GRILL)
- Pharmacy and nursing inservices
- Trauma conference (trauma surgeons and residents)
- Leadership of journal club and topic discussions

***TEACHING OPPORTUNITIES:***

- Clinical instructor status at the University of Wisconsin School of Pharmacy
- Teaching assistant for Seminars in Critical Care class at School of Pharmacy
- Co-Preceptorship of 4<sup>th</sup> year students on elective clinical rotation at the hospital
- Help precept pharmacy practice residents on elective rotation
- Didactic lecturing at School of Pharmacy
- Optional teaching certificate program for residents through the School of Pharmacy

***OTHER ACTIVITIES:***

- Assist in the development of guidelines and protocols
- Attend Pulmonary / Critical Care grand rounds and journal clubs
- Advanced Cardiac Life Support training
- Opportunities to interact with various residents: clinical PGY2s (ID, transplant, general medicine, pediatrics, emergency medicine, oncology, etc.), PGY1s – pharmacy practice, and PGY1 and PGY2 – health systems administration

***TRAVEL:***

- Support to attend the either the American Society of Health-System Pharmacists or the Society of Critical Care Medicine Meeting
- Great Lakes Pharmacy Residents Conference
- Support to attend other meetings in the state of Wisconsin

***More INFO:***

- More information about the residency can be found at [www.uwhealth.org](http://www.uwhealth.org).

***PROGRAM DIRECTOR:***

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