



**ASHP Accredited  
PGY-2 Critical Care Residency**

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

Number of Positions: 1  
 Application Deadline: **January 4, 2021**  
 Starting Date: July 12, 2021

- 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

Stipend/Benefits: \$47,500; 144 hours of paid time off (PTO), inclusive of vacation, holidays and sick time, during each year of the residency program. 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

<b>Adult Acute Care Required Rotations (4 weeks in duration unless otherwise specified)</b>	<b>Acute Care Elective Rotations</b>
<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 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
- 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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