



ASHP Accredited PGY-2 Critical Care Residency

Internet site: www.uwhealth.org

Number of Positions: 1
 Application Deadline: **January 2, 2018**
 Starting Date: June/July
 Stipend/Benefits: \$47,500; 10 days paid time off / 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	Acute Care Elective Rotations
<ul style="list-style-type: none"> • Medicine Critical Care • Surgical Critical Care • Nutrition • Neurosciences ICU • Cardiac Medicine ICU • Pediatric ICU 	<ul style="list-style-type: none"> • Infectious Disease Consults • Renal Consults • Cardiovascular Surgery ICU • Emergency Medicine • Others based on resident interest

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 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 in CRRT

CURRENT POSITIONS OF PAST RESIDENTS:

- Critical Care Pharmacy Specialist (14 residents)
- Emergency Medicine Pharmacy Specialist (2 residents)
- Antimicrobial Stewardship Pharmacist (1 resident)
- Medical Liaison for pharmaceutical company (1 resident)

PRESENTATION OPPORTUNITIES:

- Pharmacy grand rounds
- Pharmacy and nursing in-services
- Trauma conference (trauma surgeons and residents)
- Leadership of journal club discussions
- Resident Report

TEACHING OPPORTUNITIES:

- Teaching assistant for critical care elective class at University of Wisconsin School of Pharmacy
- Clinical instructor status at the University of Wisconsin School of Pharmacy
- Co-preceptorship of 4th year students on elective clinical rotation at the hospital
- Help precept pharmacy residents on elective rotation
- Didactic lecturing at School of Pharmacy
- 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, journal clubs, and conferences
- Advanced Cardiac Life Support training
- Opportunities to interact with residents in PGY2 – ID, transplant, emergency medicine and oncology, PGY1 – pharmacy, PGY1 and PGY2 – hospital pharmacy administration

TRAVEL:

- Support to attend either the American Society of Health-System Pharmacists or the Society of Critical Care Medicine Meeting
- Great Lakes Pharmacy Residents Conference
- Spring visit to other health systems and residency programs
- Support to attend the other meetings in the state of Wisconsin

INFO:

- More information about the residency can be found at www.uwhealth.org

PROGRAM DIRECTOR:

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