

2022-2023

UMass Memorial Medical Center

Pharmacy Residency Program

PGY2 Critical Care



@UMassRxRes

Hospital and Department Overview

UMass Memorial Medical Center (UMMMC) is an 800+ bed academic medical center and is part of UMass Memorial Health Care, the largest health care system in Central Massachusetts. We are the clinical partner of UMass Chan Medical School, with access to the latest technology, research, and clinical trials. The Medical Center consists of three campuses in Worcester, MA: University, Memorial, and Hahnemann Campus.

The pharmacy residency program started in 1995 with one resident. We have since grown to 12 residents, making our program one of the largest pharmacy residencies in New England. Over the years, we have made a significant impact on patient care by becoming an integral part of the medical teams through working directly on the hospital floors and guideline/policy development. We strive for excellence in the training of pharmacy residents, providing a positive and rewarding learning experience. Our programs are committed to training that respects the diversity of our residents and our patient population with an emphasis on professional development and wellness.

General Information

The PGY2 Critical Care residency program is designed to prepare pharmacists for a career in a critical care practice setting. Graduates of our program are prepared for advanced patient care, academic, or other specialized positions, along with board certification. UMMC has 7 adult ICUs, a pediatric ICU, and a neonatal ICU providing a diverse range of critical care learning experiences. We are the only level-1 trauma center for Central Massachusetts and have a state-of-the-art Emergency Medicine and Toxicology Department. We provide numerous teaching opportunities through our strong relationships with New England's many colleges of pharmacy including the University of Rhode Island, Western New England College of Pharmacy, and Massachusetts College of Pharmacy. We also have teaching and learning opportunities through the University of Massachusetts School of Medicine and Graduate School of Nursing.

Program Fundamentals

- Accreditation
 - ASHP-accredited
- Duration
 - 12 months, starting July 1st
- Positions Available
 - 2
- Estimated Stipend
 - \$46,305

Program Leadership



Michael Ha, PharmD, BCPS, BCCCP
Director, PGY2 Critical Care Residency Program
Clinical Pharmacy Specialist - Surgical ICU
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Prerequisites and Licensure

- Candidates must be PharmD graduates of an accredited college of pharmacy
- Completion of an ASHP-accredited PGY-1 pharmacy residency
- Be eligible for Massachusetts licensure, with successful completion of NAPLEX and MPJE by October 1st

Application Information

To apply, the following items must be submitted through PhORCAS to be considered for an on-site or virtual interview by January 1st, 2022:

- Letter of intent
- Curriculum vitae
- Three references
- Official college transcripts

Program Structure

Required Learning Experiences	Elective Learning Experiences
<ul style="list-style-type: none"> • Medical ICU • Surgical ICU • Neurosurgical ICU • Cardiac ICU • Emergency Medicine • Toxicology • Administration • MICU II or SICU II (resident preference) 	<ul style="list-style-type: none"> • Infectious Disease/Antimicrobial Stewardship • Pediatric ICU • Neonatal ICU • Trauma • Nutrition Support • Teaching • Repeat of required elective

Longitudinal Learning Experiences
<ul style="list-style-type: none"> • 24-hour On-Call Service <ul style="list-style-type: none"> ○ Anticoagulation consult service ○ Aminoglycoside and Vancomycin AUC:MIC PK service ○ Code Blue, Inpatient Code Stroke, and Level 1 and 2 Trauma response • Clinical staffing • Required presentations <ul style="list-style-type: none"> ○ 2 Critical Care Conferences (multidisciplinary) ○ 1 Northeastern Critical Care Symposium ○ 3 PGY2 Case Conferences (pharmacy) ○ 1 Continuing Education presentation • Research project • Medication use evaluation or drug class review • Certification opportunities such as teaching certificate, ACLS, PALS, and ENLS

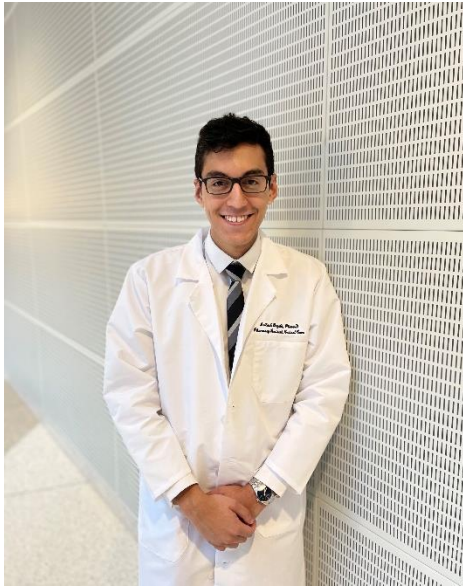
Current Preceptors

Learning Experience	Preceptor(s)
Academia	Abir Kanaan, PharmD
Administration	Elizabeth Radigan, PharmD, BCPS
Cardiac ICU	Nicholas Servati, PharmD, BCCP
Emergency Medicine Toxicology	Michael DiNapoli, PharmD, BCCCP Peter Golenia, PharmD, BCPS Irene Li, PharmD, BCPS Robert Mokszycki, PharmD, BCPS
Infectious Diseases	Jessica Lomanno, PharmD, BCIDP
Medical ICU	Krystina Ahern, PharmD, BCPS, BCCCP Elizabeth Kowalik, PharmD, BCCCP Mackenzie Piche, PharmD, BCPS, BCCCP
Neonatal ICU	Mehran Nesari Asdigha, PharmD
Neurosurgical ICU	Nadine Jaber, PharmD, BCPS
Nutrition Support	Katherine Saunders, MS, RD, LDN, CNSC
Pediatric ICU	Ann Dranchak, PharmD
Surgical ICU	Ifeoma Asoh, PharmD Michael Ha, PharmD, BCPS, BCCCP
Trauma	Lisa McNamara MS, RN, ACNP

Requirements for Successful Completion of the PGY2 Critical Care Residency Program

- Greater than or equal to 80 % of goals and objectives for the respective program are completed by the end of the residency year. No objective can be listed as "needs improvement".
- Massachusetts Pharmacy Licensure by September 30th
- Teaching certificate (if not completed during PGY1 residency)
- Presentations
 - 3 Pharmacy Case Conference presentations
 - 1 Pharmacy CE presentation
 - 1 Pharmacy Journal Club
 - 2 Critical Care Case Conference presentations
 - 1 Clinical Pearl Presentation at the New England Critical Care Symposium
- Completion of Residency Research Project and manuscript for potential publication
 - Submit study protocol to IRB for approval
 - Complete data collection
 - Complete data analysis
 - Complete rough draft of manuscript
 - Submit abstract to ASHP for poster presentation at ASHP Midyear Clinical Meeting
- Residency binder completed, and all documents uploaded to PharmAcademic
- All PharmAcademic, journal club, and presentation evaluations have been completed and uploaded into PharmAcademic
- Minimum average of 200 interventions/month for clinical rotations
- Complete all required topic discussions, maintain topic discussion checklist and submit by end of year.

Current UMMC PGY2 Critical Care Residents



Avilash Bagchi, PharmD
PGY1: Christiana Care



Lindsey Kip, PharmD
PGY1: Abington Hospital - Jefferson Health

Previous UMMC PGY2 Critical Care Residents

Our program has developed residency graduates who have obtained positions as faculty members at colleges of pharmacy, clinical specialists at large academic medical centers, as well as leadership and administrator positions at health care institutions nationwide.

Name	Position Out of Residency
2020-2021	
Priya Vallabh, PharmD, BCPS	Clinical Pharmacist - Critical Care <i>UMass Memorial Medical Center</i>
Mariela Cardona Gonzalez, PharmD	Critical Care Pharmacy Specialist - Surgical and Burn Critical Care <i>JH Bayview Medical Center</i>
2019-2020	
Mackenzie Piche, PharmD, BCPS, BCCCP	Clinical Pharmacist - Medical ICU <i>UMass Memorial Medical Center</i>
2018-2019	
Emily Dionne, PharmD, BCPS	Clinical Pharmacist - Formulary Management <i>UMass Memorial Medical Center</i>
Rachel Bigos, PharmD, BCPS, BCCCP	Clinical Pharmacist - Critical Care <i>Christiana Care Health System</i>
2017-2018	
Irene Li, PharmD, BCPS	Clinical Pharmacy Specialist - Emergency Medicine <i>UMass Memorial Medical Center</i>
Ashley West, PharmD, BCPS, BCCCP	Clinical Pharmacist - Medical ICU <i>Yale New Haven Hospital</i>