

2024-2025

UMass Memorial Medical Center

Pharmacy Residency Program
PGY2 Cardiology



Hospital and Department Overview

UMass Memorial Medical Center (UMMMC) is an 818-bed academic medical center and is part of UMass Memorial Health, 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.

Since starting the pharmacy residency program in 1995, 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

Building on the PharmD education and PGY1 pharmacy residency, the primary emphasis of our accredited PGY2 Cardiology residency is to prepare residents for advanced patient care, academic, or other specialized positions, along with board certification. UMMC provides a diverse range of cardiology learning experiences with a mixed cardiothoracic surgery/cardiovascular intensive care unit, cardiovascular step-down unit, cardiology acute care unit, cardiovascular catheterization lab, and expanding mechanical circulatory support programs. Over the course of the year, the resident will gain experience in the management of cardiovascular patients, lead and initiate research projects, strengthen their communication skills through formal and informal presentations in a variety of settings, and participate in various interdisciplinary hospital committees. Teaching opportunities are also provided through regional colleges of pharmacy as well as our affiliated medical school.

Program Fundamentals

- Accreditation
 - ASHP-accredited
- Duration
 - 12 months, starting July 1st
- Positions Available
 - 1
- Estimated Stipend
 - \$57,300

Program Leadership



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Prerequisites and Licensure

- Candidates must be PharmD graduates of an accredited college of pharmacy
- Completion of an ASHP-accredited PGY1 pharmacy residency
- Be eligible for Massachusetts licensure, with successful completion of NAPLEX and MPJE by September 30th

Application Information

To apply, the following items must be submitted through PhORCAS to be considered for an on-site or virtual interview by January 8th, 2024:

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

Program Structure

UMMMC pharmacy residency programs are structured to provide exposure to a variety of practice settings with the goal of developing well-rounded clinical pharmacists. Over the course of one-year, residents will complete required, elective, and longitudinal learning experiences to develop skills in medication management, participating in medical emergencies, leadership, research, precepting, and interprofessional communication and collaboration while simultaneously being exposed to various disease states. Required PGY2 program rotations will focus on the respective specialty area, while electives may focus on other areas of pharmacy practice.

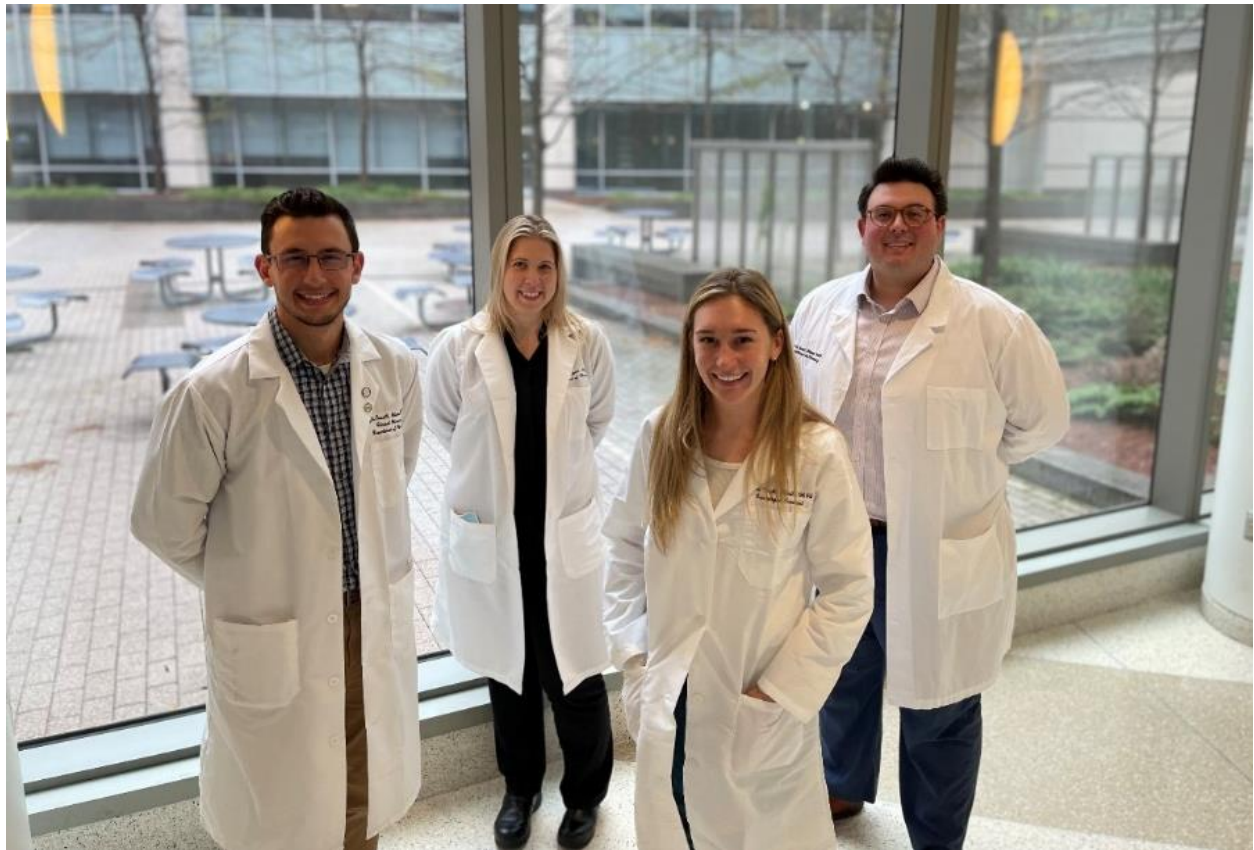
Each resident will complete a two-week orientation at the start of the residency year. The training completed in this introductory course will prepare residents to perform tasks necessary to function in the role of a pharmacist at UMMC. Residents will also be oriented to the pharmacokinetic and emergency response services. PGY2 cardiology residents will also participate in a guideline review boot-camp with preceptors for common cardiology disease states.

The standard length of time for a learning experience in the UMMC PGY2 cardiology residency program is 5 weeks. All required rotations will take place at the University Campus, whereas electives may be at the University or Memorial campus. A one-week project block will be built into the schedule around the midpoint of the year. All required, elective, and longitudinal learning experiences are listed below.

Required Learning Experiences	Elective Learning Experiences (3)	Longitudinal Experiences
<ul style="list-style-type: none"> • Orientation (2 weeks) • Advanced Heart Failure • Anticoagulation Service Management I* • Cardiac ICU I* • CT Surgery • Electrophysiology • General Cardiology I • Heart Failure <p>*The resident may choose an ICU -or- anticoagulation track to complete a second required rotation in the area of choice</p>	<ul style="list-style-type: none"> • Academia • Anticoagulation Service Management II-III • Cardiac ICU II-III • Infectious Disease • Neuro/Trauma ICU 	<ul style="list-style-type: none"> • Clinical staffing: <ul style="list-style-type: none"> ○ Weekend: decentralized, every 3rd weekend ○ Weekday: centralized, 3 hours weekly • Inpatient Code Blue and Code Stroke response • Ambulatory Heart Failure clinic every 3rd week • Presentations <ul style="list-style-type: none"> ○ 3 Pharmacy Conferences ○ 1-2 Critical Care Conferences ○ 1-2 Cardiology Fellows Conference ○ 1 Continuing Education • Research projects (flipped model) • Formulary Project (medication use evaluation or drug class review) • Teaching opportunities: <ul style="list-style-type: none"> ○ Teaching Certificate ○ Precepting Opportunities (PGY-1 residents and APPE students) • Hospital Committees (e.g., Anticoagulation Task Force)

Current Preceptors

Learning Experience	Preceptor(s)
Academia	Abir Kanaan, PharmD
Advanced Heart Failure	Celia Wright, PharmD, BCPS, BCCP
Anticoagulation Service Management	Kathleen Sargent, PharmD, BCPS
Cardiac ICU	Nick Servati, PharmD, BCCP
CT Surgery	Kyle Fraielli, PharmD, BCCP Nick Servati, PharmD, BCCP
Electrophysiology	Pia Clive, PharmD, BCPS, BCCP
General Cardiology	Kyle Fraielli, PharmD, BCCP
Heart Failure	Celia Wright, PharmD, BCPS, BCCP
Infectious Disease	Jessica Lomanno, PharmD, BCIDP
Neuro/Trauma ICU	Nadine Jaber, PharmD, BCPS



Pictured from left to right:
Kyle Fraielli, Kathleen Sargent, Celia Wright, Nicholas Servati

Requirements for Successful Completion of the PGY2 Cardiology Residency Program

- Massachusetts Pharmacy Licensure by September 30th
- Completion of all required learning experiences
- Completion of teaching certificate course (if not already acquired during PGY1)
- Achievement of greater than or equal to 80 % of goals and objectives for the program completed by the end of the residency year with a final rating of satisfactory progress in all other ASHP objectives
- By completion of residency program, no objective can be listed as "needs improvement"
- 1-2 Cardiology Fellows Conference presentations
- 3 Pharmacy Conference presentations
 - 1 must be a formal journal club
- 1 Pharmacy CE presentation
- Document all direct-patient care and/or topic discussions required for the cardiology PGY2 per ASHP standards in PharmAcademic
- Complete MUE or drug class review with formal write up and presentation of results
- Minimum average of 200 interventions/month for clinical rotations, documented in Epic
- Complete staffing and holiday coverage
- Completion of Research Project One
 - Submit study protocol to IRB
 - Complete data collection
 - Complete data analysis
 - Rough draft of manuscript
 - Submit abstract to and present at external forum
- Completion of manuscript worthy of publication
- Start Residency Research Project Number Two
 - Submit study proposal
 - Submit study protocol to IRB for approval
 - Design data collection format
 - Create thorough project handoff
- All conference evaluations have been completed and uploaded into PharmAcademic
- Residency Binder completed and all documents uploaded to PharmAcademic
- Completion of all requirements for graduation within 60 days of graduation date

Current UMMC PGY2 Cardiology Resident



Alexandra Cruz Pabon, PharmD
 PGY1: AdventHealth Orlando
Pharmacy Residency Secretary

Previous UMMC PGY2 Cardiology 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	
2022-2023		
Angela Dansereau	Heart Failure Clinical Pharmacist	St. Francis Hospital
Natalie Tabet	Cardiology Clinical Specialist	University of Vermont MC
2021-2022		
Emily Kronau	Clinical Pharmacy Specialist - CVICU	<i>Lahey Hospital</i>
Brandi Steady	Clinical Pharmacy Specialist - Cardiology	Allegheny Health Network Cardiovascular Institute
2020-2021		
Carrie Cicirale	Clinical Pharmacist - General	<i>SSM Health DePaul Hospital</i>
Michael Hong	Clinical Pharmacist - Cardiology	<i>MedStar Union Memorial Hospital</i>
Celia Wright	Clinical Pharmacist - Heart Failure	UMMMC
2019-2020		
Annaliese Barlow	Clinical Pharmacist - CTICU	<i>Rhode Island Hospital</i>
Kristina Gill	Assoc. Chief of Clinical Pharmacy	<i>VA Illiana Health Care System</i>
Tong Huang	Clinical Pharmacist - Emergency/Cardiology	<i>Riverside University Health System Medical Center</i>
...and many more!		



SAY HELLO TO WORCESTER

Welcome to the state's most vibrant and livable mid-sized city! Worcester is the second largest and fastest-growing major city in New England and features a large variety of beautiful scenery, historical sites, and fun indoor and outdoor activities for everyone!

Beyond our mentor program and benefits package, including conference reimbursement and the Employee Assistance Program, we aim to build a well-rounded residency program focusing on developing each resident professionally and personally.



Resident Bonding Events

- Making the most of what Worcester and Central MA has to offer!
- Several 'Thank-A-Resident' Days each year, dedicated to resident bonding and wellness with clinical services covered by preceptors

Mentor-Mentee
Meet & Greet socials!



Hiking,
skiing, &
more!



Renowned
breweries &
restaurants galore!



TREE HOUSE
BREWING CO.