

2022-2023

UMass Memorial Medical Center

Pharmacy Residency Program

PGY-2 Cardiology



@UMassRxRes

Hospital and Department Overview

UMass Memorial Medical Center (UMMMC) is an 800+ 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.

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.

General Information

Building on the PharmD education and PGY-1 pharmacy residency, the primary emphasis of the PGY-2 Cardiology residency is to contribute to the development of clinical pharmacists in the specialized areas of cardiovascular pharmacotherapy. 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 cardiovascular and pharmacy-related interdisciplinary hospital committees. PGY2 residencies provide residents with opportunities to function independently as practitioners by conceptualizing and integrating accumulated experience and knowledge and incorporating both into the provision of patient care or other advanced practice settings. Residents who successfully complete an accredited PGY2 pharmacy residency are prepared for advanced patient care, academic, or other specialized positions, along with board certification.

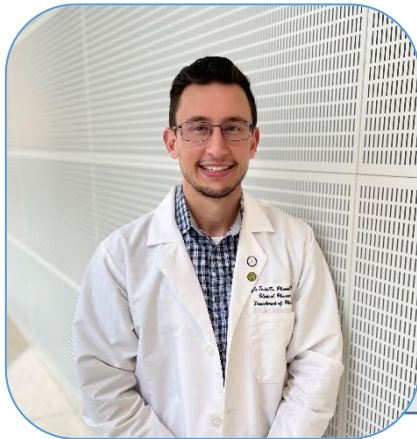
Program Fundamentals

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

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 PGY-1 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 1st, 2022:

- 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.

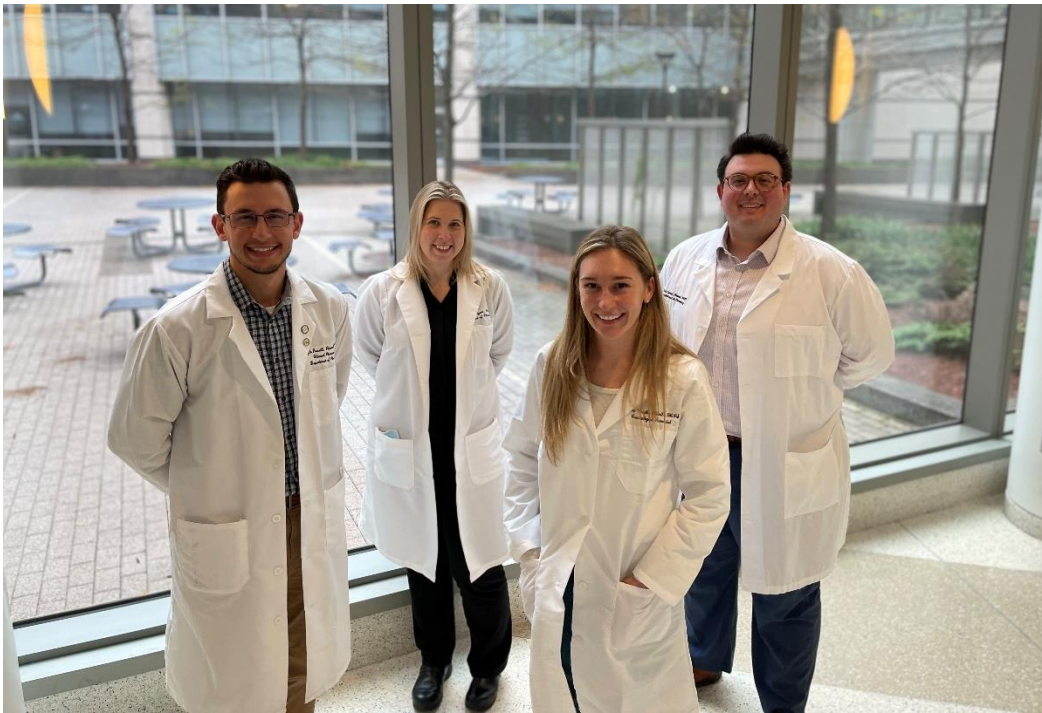
Each resident will complete a four-week orientation at the start of the residency year. The training completed in this introductory course will prepare residents to perform tasks necessary to function in the role of a pharmacist at UMMC. Residents will also be oriented to the on-call pharmacokinetic,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

The standard length of time for a learning experience in the UMMC PGY2 cardiology residency program is 4-weeks. The first clinical rotation of the year is extended to 6-weeks to facilitate order verification training and learning and applying institution-specific protocols/policies. Other exceptions include a 1-week project block, a 2-week elective electrophysiology rotation, and a 5-week rotation built in at the time of the ASHP Midyear meeting. All required, elective, and longitudinal learning experiences are listed below.

Required Learning Experiences	Elective Learning Experiences	Longitudinal Experiences
<ul style="list-style-type: none"> • Advanced Heart Failure • Anticoagulation Service Management I-II • Cardiac ICU I-II • CT Surgery • General Cardiology I • Heart Failure • Orientation 	<ul style="list-style-type: none"> • Academia • Anticoagulation Service Management III • Cardiac ICU III • Electrophysiology* • Emergency Medicine • Infectious Disease • Neuro/Trauma ICU 	<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 • Ambulatory Heart Failure clinic every 3 weeks • Clinical staffing • Case Conference and Cardiology Fellows Conference • Research projects • Medication use evaluation or drug class review
<p>*Electrophysiology is only a 2-week experience</p>		

Current Preceptors

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



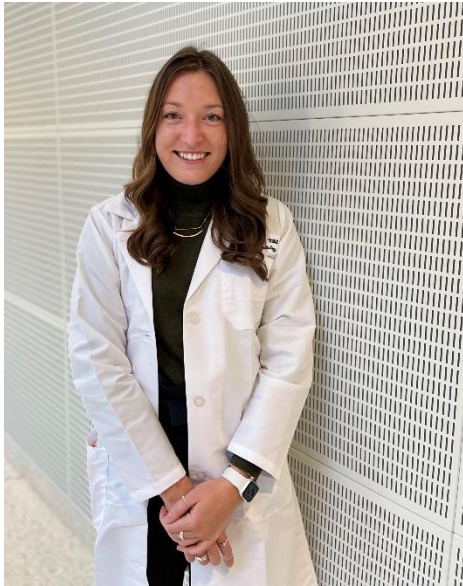
Pictured from left to right:

Kyle Fraielli, Kathleen Sargent, Celia Schumacher (Wright), Nicholas Servati

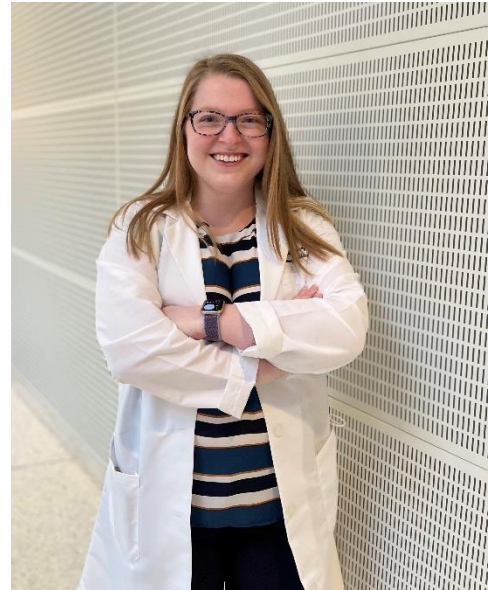
Requirements for Successful Completion of the PGY2 Cardiology Residency Program

- Massachusetts Pharmacy Licensure by September 30th (latest Oct 31st)
- 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 Case Conference presentations
- 1 Pharmacy CE presentation
- 1 Pharmacy Journal club
- Present Research Project Poster at external forum
- 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 for approval
 - Complete data collection
 - Complete data analysis
 - Complete rough draft of manuscript
 - Submit abstract to ACC for poster presentation
 - Present poster at ACC Midyear Clinical Meeting
- Completion of manuscript worthy of publication
- Start Residency Research Project Number Two
 - Submit completed study proposal
 - Submit study protocol to IRB for approval
 - Design data collection format
 - Create thorough project handoff
- All journal club and presentation 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 PGY-2 Cardiology Residents



Emily Kronau, PharmD
PGY-1: University of Pennsylvania



Brandi Steady, PharmD
Chief Pharmacy Resident
PGY-1: Christiana Care

Previous UMMC PGY-2 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
2020-2021	
Carrie Cicirale, PharmD, BCPS	Clinical Pharmacist - General <i>SSM Health DePaul Hospital</i>
Michael Hong, PharmD	Clinical Pharmacist - Cardiology <i>MedStar Union Memorial Hospital</i>
Celia Schumacher (Wright), PharmD, BCPS	Clinical Pharmacist - Heart Failure <i>UMass Memorial Medical Center</i>
2019-2020	
Annaliese Clancy (Barlow), PharmD, BCPS	Clinical Pharmacist - Cardiothoracic ICU <i>Rhode Island Hospital</i>
Kristina Gill, PharmD	Associate Chief of Clinical Pharmacy <i>VA Illiana Health Care System</i>
Tong Huang, PharmD, BCCP	Clinical Pharmacist - Emergency/Cardiology <i>Riverside University Health System Medical Center</i>
2018-2019	
Anelsa Beqo, PharmD, BCPS	Clinical Pharmacist - Anticoagulation Clinic <i>Lahey Hospital</i>
Pia Clive, PharmD, BCPS, BCCP	Clinical Pharmacist - Cardiology/IM <i>UMass Memorial Medical Center</i>
Nicholas Servati, PharmD, BCCP	Clinical Pharmacist - CVICU <i>UMass Memorial Medical Center</i>
...and many more!	