

Brigham and Women's Hospital PGY-2 Cardiology Pharmacy Residency

Hospital and Pharmacy Department Overview

Brigham and Women's Hospital, located in Boston's Longwood Medical Area, is a 812-bed nonprofit teaching affiliate of Harvard Medical School and a founding member of Partners HealthCare, Inc. In 2019-2020, BWH was named the 13th best hospital in the United States by US News & World Report's Honor Roll of America's Best Hospitals. The Department of Pharmacy provides services to inpatient, outpatient, and satellite clinic locations throughout the Metro Boston area. The department is regarded as an innovator and leader in medication safety technology, clinical information systems, and clinical pharmacy services at the local and national level.



General Information

The Department of Pharmacy at Brigham and Women's Hospital offers a specialized residency in cardiology pharmacy practice. This one-year program is designed to provide advanced training in the area of cardiovascular pharmacotherapy and research.

Program Fundamentals

The PGY2 pharmacy residency programs build on Doctor of Pharmacy (Pharm.D.) education and PGY1 pharmacy residency programs to contribute to the development of clinical pharmacists in advanced or specialized practice. 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 that improves medication therapy. Residents who successfully complete an accredited PGY2 pharmacy residency should possess competencies that qualify them for clinical pharmacist and/or faculty positions and position them to be eligible for attainment of board certification in the specialized practice area (when board certification for the practice area exists).

Accreditation

- ASHP Accredited

Positions Available

- 2 traditional position
- 1 international position

Duration

- One year

Stipend

- ~\$65,900

Program Leadership



Danielle Knowles, PharmD, BCPS, BCCP, CACP
PGY-2 Cardiology Pharmacy Residency Director
Clinical Pharmacy Specialist
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Senior Pharmacist
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Prerequisites and Licensure

- Doctor of Pharmacy degree from an accredited school or college of pharmacy
- Completion of an ASHP-accredited PGY-1 pharmacy practice residency
- Massachusetts pharmacist licensure required within 120 days of residency start date
- US citizenship or permanent resident visa

Application Information

- Curriculum vitae, letter of intent, recommendation letters due by January 1st
 - All applications and documents should be submitted via Phorcas
- On-site or virtual interviews by invitation only

Program Structure

The BWH residency programs are all one-year programs that provide diverse rotations in many areas of specialization and offer experience in the provision of adult patient-centered care. The scheduling of resident rotations includes a combination of required and elective rotations to ensure that the resident is exposed to a variety of patient populations, medications, disease states, range of complexity, and interdisciplinary team members.

All incoming PGY1 residents and any external PGY2 residents will complete a six-week required orientation learning experience with the Brigham and Women's Pharmacy Department. This introductory training experience will prepare the resident to perform the job functions as required as a pharmacist in the department. This will also serve to provide administrative insights into the provision of pharmacy services within the hospital and to contribute to perspectives for subsequent participation in clinical and/or administrative project activities. All early commit PGY2 residents will undergo an orientation to the PGY2 program outlining expectations, program structure, and responsibilities.

PGY2 Cardiology residents must complete the required learning experiences below. For PGY2 residents, the eleven (11) learning experiences listed below comprise the required residency experiences for the program. External residents will be provided 4 weeks of elective time in which they may experience one 4-week rotation. Early commit residents will be provided 8 weeks of elective time in which they may experience two 4-week elective experiences (unless otherwise discussed with the RPD/residency coordinator). All required and elective learning experiences are listed below. Some elective experiences may be for shorter time periods depending on the resident schedule, rotation availability, and the ability for assigned objectives to be addressed in the defined period. For additional information on resident learning experiences, additional required activities, and other specific program details please see the [Pharmacy Residency Manual](#)

11 required PGY2 Cardiology Learning Activities*	Elective Learning Experiences	Longitudinal Experiences
<ul style="list-style-type: none"> • Orientation (1 week for early commit / 6 weeks for external) • Coronary Care ICU (6 weeks) • Cardiac Surgery ICU (4 weeks) • AMB – Cardiology Clinic (5 weeks) • AMB – Anticoagulation Management Service (4 weeks) • Electrophysiology (2 weeks) • General Cardiology (4 weeks) • Heart Failure (5 weeks) • Heart Transplant (4 weeks) • Hemostatic Antithrombotic (HAT) Stewardship (4 weeks) • Advanced Integrated Clinical Pharmacy Practice (4 weeks) 	<ul style="list-style-type: none"> • AMB – Primary Care Clinic (4 weeks) • AMB – Virtual Accelerator for Clinical Transformation (4 weeks) • AMB – Heart Failure Pharmacotherapy (4 weeks) • Critical Care (<u>one</u> of the following): <ul style="list-style-type: none"> ○ Medical ICU (4 weeks) ○ Thoracic ICU (4 weeks) • Academia (4 weeks) • Emergency Medicine (4 weeks) • Medication Safety (4 weeks) 	<ul style="list-style-type: none"> • Research Project • Service Commitment (Staffing) • Aminoglycoside Monitoring Program • Formal Presentation • Committee Membership • Anticoagulation Management in Orthopedic Surgery (AMMO) • Watkin’s ACTIVE Heart Failure Clinic • Heart Week Continuing Education • Drug Administration Guideline • Duty Hours/Moonlighting

AMB: ambulatory; ICU: intensive care unit
 *Unless otherwise approved by RPD/RAC

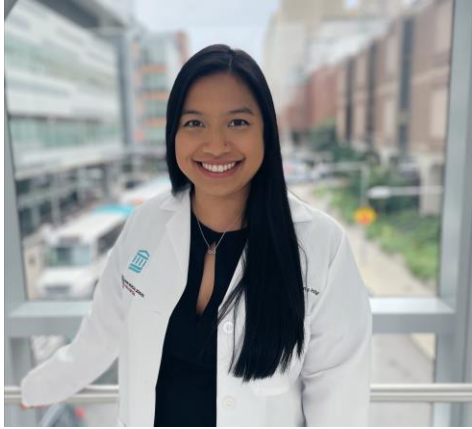
A full list of pharmacy residency preceptors with photos and titles can be found [here](#).

Requirements for Successful Completion of the PGY2 Cardiology Residency Program

- Successfully licensed as a practicing pharmacist in the state of Massachusetts within 120 days of residency start date
- Successful completion of all required rotation learning experiences
 - Orientation
 - Coronary Care ICU
 - Cardiac Surgery ICU
 - General Cardiology
 - Heart Failure
 - Hemostasis and Antithrombotic Stewardship (HAT)
 - Ambulatory Anticoagulation Management Service
 - Heart Transplant
 - Ambulatory Cardiology Clinic
 - Advanced Integrated Clinical Pharmacy Practice
 - Electrophysiology
- Successful completion of all longitudinal learning experiences
 - Research Project
 - Service Commitment (Staffing)
 - Aminoglycoside Monitoring Program
 - Formal Presentation
 - Committee Membership
 - Anticoagulation Management in Orthopedic Surgery (AMMO)
 - Watkin's ACTIVE Heart Failure Clinic
 - Heart Week Continuing Education
 - Drug Administration Guideline
 - Duty Hours/Moonlighting
- Successfully document the completion of all assigned disease states in the resident topic discussion spreadsheet
- Successfully reached 80% Achieved for Residency with objectives in Pharmacademic
- Adhere to duty hour policy and complete monthly duty hour tracking in Pharmacademic
- Conference poster presented at the ACC scientific sessions or some equivalent
- Successful completion of final report or manuscript of resident research project
- Successful completion one ACPE-accredited continuing education program with completed Pharmacademic evaluation
 - Continuing education program during heart week
- Successful completion of additional presentations as assigned with completion of longitudinal Pharmacademic evaluation
 - In-services as appropriate per rotation
 - At least 5 Pharmacist Huddle or multi-disciplinary presentations
- Participation in Conferences
 - ACC Scientific Sessions or alternative national conference
- Successful completion of service commitment (staffing)
 - Central operations – every third weekend and one month staffing block
- Successful completion of Medication Policy Requirements

- At least one written drug administration guideline (DAG) prepared for DAG Committee Review and presented at a Pharmacy and Therapeutics Committee
- Successful completion of additional required manuscripts/publications/posters
 - Resident poster presented at ACC scientific sessions or other national conference
 - Manuscript draft for publication
- Successful completion of all required documentation
 - Initial ASHP assessment
 - Quarterly self-assessments as part of the Resident Development Plan
 - All learning experience and preceptor and learning experience evaluations
 - Final assessment of residency and feedback
- Obtained both Basic Life Support certification and Advanced Cardiac Life support by the end of your residency year

2024-2025 BWH PGY2 Cardiology Residents

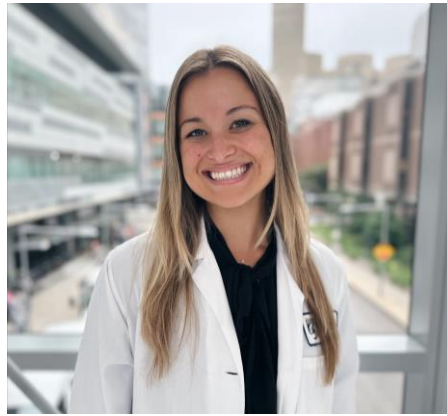


Rebecca Sek, PharmD
PGY-1: Brigham and Women's Hospital
Boston, MA



Lauren Inglis, PharmD
PGY-1: Brigham and Women's Hospital
Boston, MA

2023-2024 BWH PGY2 Cardiology Residents



Madeleine DePinho, PharmD
Current Practice Site: Hartford Hospital,
Hartford, CT

2022-2023 BWH PGY2 Cardiology Residents



Ju Hee Kim, PharmD, BCCP
Current Practice Site: Brigham and
Women's Hospital
Boston, MA

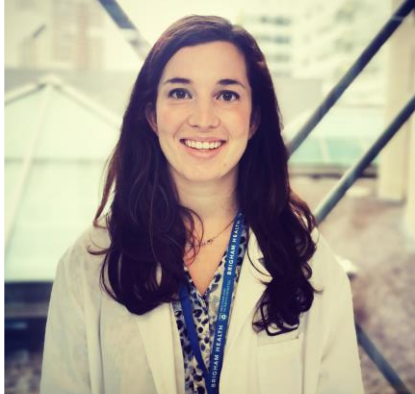


Liriany Pimentel, PharmD
Current Practice Site: Brigham and
Women's Hospital
Boston, MA

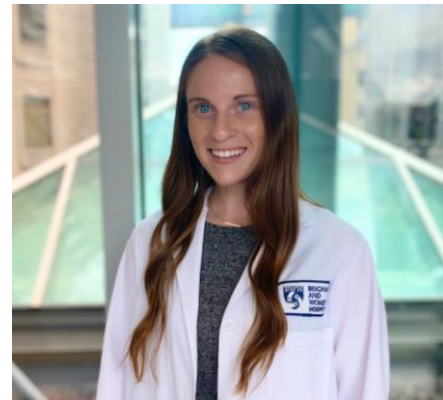


Omar Alkhezi, PharmD
Current Practice Site: Qassim
University
Saudi Arabia

2021-2022 BWH PGY2 Cardiology Residents



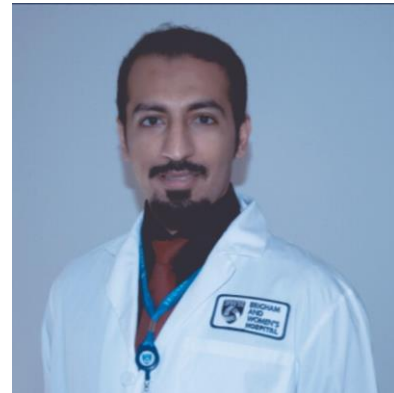
Anna Crider, PharmD, BCCP
Current Practice Site: Emory
University Hospital
Atlanta, GA



Delaney Corcoran, PharmD, BCCP
Current Practice Site: Rhode Island
Hospital
Providence, RI

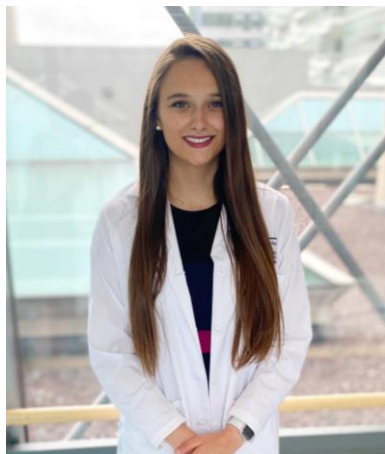


Abdullah Alahmed, PharmD
Current Practice Site: Qassim
University
Saudi Arabia



Ehsan Habeeb, PharmD, BCPS, BCCP
Current Practice Site: Taibah University
Saudi Arabia

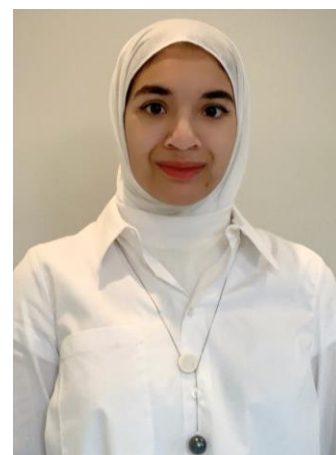
2020-2021 BWH PGY2 Cardiology Residents



Dareen Kanaan, PharmD, MPH, BCCP
Current Practice Site: Brigham and
Women's Hospital
Boston, MA

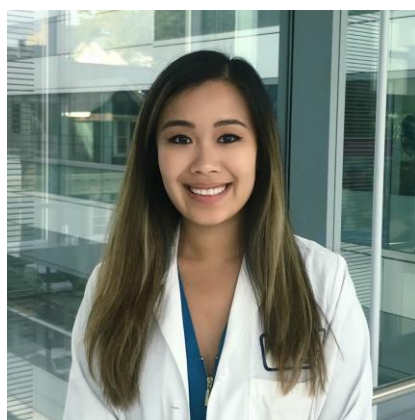


Brandon Beers, PharmD, BCCP
Current Practice Site: Alamance
Regional Medical Center
Chapel Hill, NC



Asmaa Alboushi, PharmD
Current Practice Site: Kuwait
University
Kuwait City

2019-2020 BWH PGY2 Cardiology Residents



Clara Ting, PharmD, BCCP
Current Practice Site:
University of Chicago
Medical Center
Chicago, IL



Tom Bernier, PharmD BCCP
Current Practice Site: Rush
University Medical Center
Chicago, IL



Nayyra Fatani, PharmD
Current Practice Site: King
Abdulaziz University
Saudi Arabia

2018-2019 BWH PGY2 Cardiology Residents



Sana'a Alsulami, PharmD
Current Practice Site:
National Guard Health
Affairs - King Abdulaziz
Medical City
Saudia Arabia



Awatif Hafiz, PharmD BCCP
Current Practice Site: King
Abdulaziz Medical City and King
Saud University
Saudi Arabia



Julie Kelly, PharmD BCPS, BCCP
Current Practice Site: Beth Israel
Deaconess Medical Center
Boston, MA

2017-2018 BWH PGY2 Cardiology Residents



Megan Marsh, PharmD
Current Practice Site: Ruby Memorial
Hospital
Muncie, IN

2016-2017 BWH PGY2 Cardiology Residents



Megan Rhoten, PharmD, BCPS, BCCP
Current Practice Site: Carilion Clinic
Roanoke, VA



Hisham Badreldin, PharmD, BCPS
Current Practice Site: King Saud Bin Abdulaziz
University for Health Sciences
Riyadh, Saudi Arabia