

## Hospital and Pharmacy Department Overview

Brigham and Women's Hospital, located in Boston's Longwood Medical Area, is a 836-bed nonprofit teaching affiliate of Harvard Medical School and a founding member of Partners HealthCare, Inc. BWH was named among the top 20 hospitals in the United States by US News & World Report's Honor Roll of America's Best Hospitals 2024-2025. 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 positions
- 1 international position

### Duration

- One year

### Stipend

- ~\$65,900

## Program Leadership



Kenneth Lupi, PharmD, BCPS, BCCCP  
PGY-2 Cardiology Pharmacy Residency Director  
Clinical Pharmacy Manager  
Department of Pharmacy Services  
Brigham and Women's Hospital  
75 Francis Street  
Boston, Massachusetts 02115  
[klupi@bwh.harvard.edu](mailto:klupi@bwh.harvard.edu)



Liriany Y. Pimentel, PharmD, BCCP  
PGY-2 Cardiology Pharmacy Residency Coordinator  
Clinical Pharmacy Specialist  
Department of Pharmacy Services  
Brigham and Women's Hospital  
75 Francis Street  
Boston, Massachusetts 02115  
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Evan Wright, PharmD, BCCCP  
PGY-2 Cardiology Pharmacy Residency Coordinator  
Senior Pharmacist  
Department of Pharmacy Services  
Brigham and Women's Hospital  
75 Francis Street  
Boston, Massachusetts 02115  
[erwright@bwh.harvard.edu](mailto:erwright@bwh.harvard.edu)

## **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 1<sup>st</sup>
  - 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 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"> <li>• Orientation (1 week for early commit / 6 weeks for external)</li> <li>• Coronary Care ICU (6 weeks)</li> <li>• Cardiac Surgery ICU (4 weeks)</li> <li>• AMB – Cardiology Clinic (5 weeks)</li> <li>• AMB – Anticoagulation Management Service (4 weeks)</li> <li>• Electrophysiology (2 weeks)</li> <li>• General Cardiology (4 weeks)</li> <li>• Heart Failure (5 weeks)</li> <li>• Heart Transplant (4 weeks)</li> <li>• Hemostatic Antithrombotic (HAT) Stewardship (4 weeks)</li> <li>• Advanced Integrated Clinical Pharmacy Practice (4 weeks)</li> </ul>	<ul style="list-style-type: none"> <li>• AMB – Primary Care Clinic (4 weeks)</li> <li>• AMB – Virtual Accelerator for Clinical Transformation (4 weeks)</li> <li>• AMB – Heart Failure Pharmacotherapy (4 weeks)</li> <li>• Critical Care (<u>one</u> of the following):               <ul style="list-style-type: none"> <li>○ Medical ICU (4 weeks)</li> <li>○ Thoracic ICU (4 weeks)</li> </ul> </li> <li>• Academia (4 weeks)</li> <li>• Emergency Medicine (4 weeks)</li> <li>• Medication Safety (4 weeks)</li> </ul>	<ul style="list-style-type: none"> <li>• Research Project</li> <li>• Committee Membership</li> <li>• Pharmacy Departmental Contributions, Formal Presentations and Staffing</li> </ul>

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

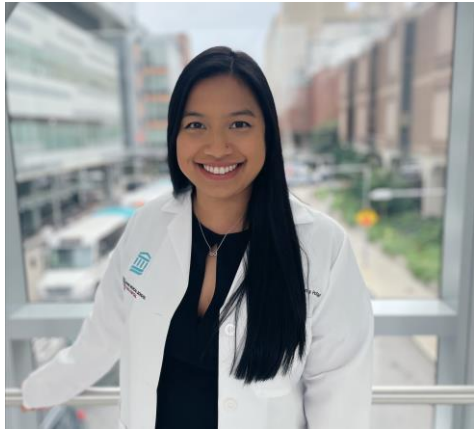
- Licensed as a practicing pharmacist in the state of Massachusetts within 120 days of residency start date
- Completion of all required rotation learning experiences
  - Orientation
  - Coronary Care ICU
  - Cardiac Surgery ICU
  - General Cardiology
  - Heart Failure
  - Hemostasis and Antithrombotic Stewardship (HAT)
  - Ambulatory Anticoagulation Management Service
  - Heart Transplant
  - Ambulatory Cardiology Clinic
  - Advanced Integrated Clinical Pharmacy Practice
  - Electrophysiology
- Completion of all longitudinal learning experiences
  - Research Project
  - Committee Membership
  - Pharmacy Departmental Contributions, Formal Presentations and Staffing
- Completion of 1 (external residents) or 2 (internal residents) elective learning experiences
- Document the completion of all assigned disease states in the resident topic discussion spreadsheet
- Reached 80% Achieved for Residency with objectives in Pharmacademic
  - The following objectives are required to be achieved for residency:
    - R1.1.1, R1.1.2, R1.1.3, R1.1.4, R1.1.5, R1.1.6, R1.2.1, R 2.1.1, R2.1.2, R2.2.6, R2.2.7, R3.1.1, R3.2.2, R4.1.2, R5.1.1
- Completion of formal presentation and departmental contributions
  - At least one written drug administration guideline (DAG) prepared for DAG Committee Review and presented at a Pharmacy and Therapeutics Committee
  - Completion of one ACPE-accredited continuing education program during heart week
  - At least 5 departmental or multi-disciplinary presentations
  - Completion of Anticoagulation Management in Orthopedic Surgery (AMMO) and Aminoglycoside Monitoring Program
- Completion of research project
  - Resident poster presented at ACC scientific sessions or other national conference
  - Manuscript draft for publication
  - Completion of professional practice requirements
  - Completion of Advanced Integrated Clinical Pharmacy Practice and weekend staffing requirements
  - Documentation of moonlighting and duty hours as appropriate in PharmAcademic
- 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

- Completion of electronic residency binder with all required documents uploaded into the critical care residency folder
- Obtain both Basic Life Support and Advanced Cardiac Life support certifications by the end of your residency year

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## 2024-2025 BWH PGY2 Cardiology Residents

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

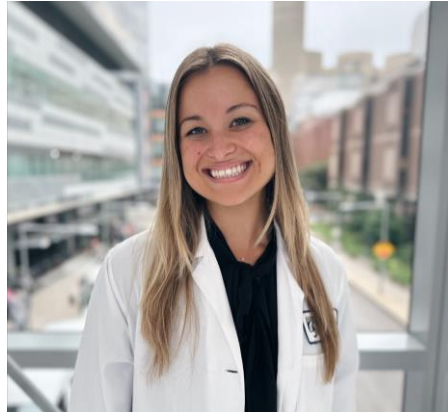


**Lauren Inglis, PharmD**  
PGY-1: Brigham and Women's Hospital  
Boston, MA

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## 2023-2024 BWH PGY2 Cardiology Residents

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

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## 2022-2023 BWH PGY2 Cardiology Residents

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**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



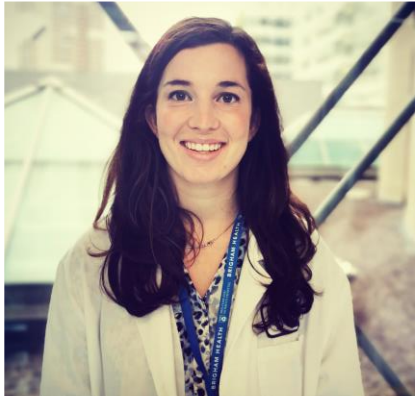
**Omar Alkhezi, PharmD, BCPS**  
Current Practice Site: Qassim  
University  
Saudi Arabia



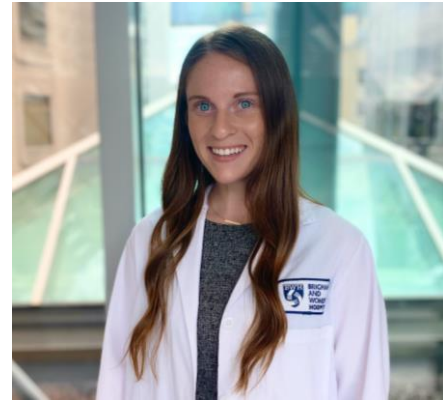
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## 2021-2022 BWH PGY2 Cardiology Residents

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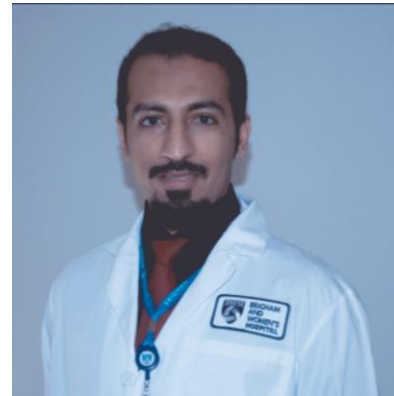
**Anna Crider, PharmD, BCCP**  
Current Practice Site: Emory  
University Hospital  
Atlanta, GA



**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

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## 2020-2021 BWH PGY2 Cardiology Residents

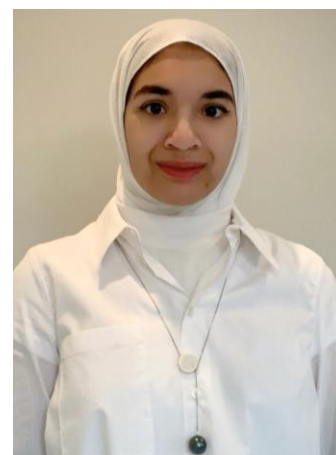
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**Dareen Kanaan, PharmD, MPH, BCCP**  
Current Practice Site: Brigham and  
Women's Hospital  
Boston, MA



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

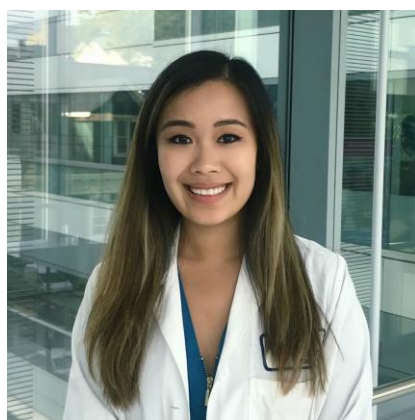


**Asmaa Alboushi, PharmD**  
Current Practice Site: Kuwait  
University  
Kuwait City

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## 2019-2020 BWH PGY2 Cardiology Residents

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**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

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## 2018-2019 BWH PGY2 Cardiology Residents

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**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

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## 2017-2018 BWH PGY2 Cardiology Residents

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

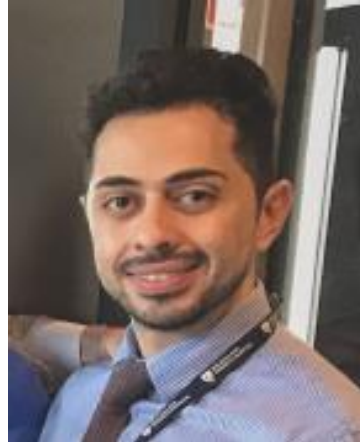
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## 2016-2017 BWH PGY2 Cardiology Residents

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**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