

# Brigham and Women's Hospital PGY2 Demonstration Residency in Thrombosis and Hemostasis Management

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## *BWH Hospital and Pharmacy Department Overview*

Brigham and Women's Hospital, located in Boston's Longwood Medical Area, is an 812-bed nonprofit teaching affiliate of Harvard Medical School and a founding member of Mass General Brigham. 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.



## **Background**

Management of anticoagulation and hemostasis continues to evolve with increasing complexity, risk, cost, and accreditation standards. Pharmacists play pivotal roles in thrombosis and hemostasis management and in the implementation and operation of successful multidisciplinary anticoagulation stewardship programs.

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## **General Information**

The goal of this PGY-2 Thrombosis and Hemostasis Residency is to fully prepare licensed pharmacists to practice in a variety of roles that oversee anticoagulation and hemostasis management including inpatient anticoagulation and hemostasis consult services, outpatient anticoagulation management services, and anticoagulation and hemostatic stewardship programs. Given the expansion in the field of anticoagulation and the growth in anticoagulation stewardship programs, it is expected that the job market will continue to expand for pharmacists with training and expertise in Thrombosis and Hemostasis Management. Completion of this residency will be a distinguishing factor in the recruitment and hiring process for such individuals.

## 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).

Over the course of the year, the resident will gain experience in the management of patients requiring prevention and treatment of thrombosis and bleeding, lead a comprehensive research project, strengthen communication skills through formal and informal presentations and interactions with other healthcare providers in a variety of settings, and participate in thrombosis/hemostasis and pharmacy-related interdisciplinary hospital committees. In addition, the resident will enhance their teaching skills by precepting pharmacy practice residents and students on clinical rotations. Residents will rotate through eight required learning experiences in addition to 1-2 elective learning experiences. During orientation the resident will complete the ASHP Anticoagulation Certificate training. Estimated stipend: ~\$65,900/year in addition to fringe benefits such as paid time off (sick/holiday/vacation), health/life insurance, travel reimbursement/meeting fees for one conference), and reimbursement for BCPS/CACP (if passed).

For additional information on resident learning experiences, additional required activities, and other specific program details please see the [Pharmacy Residency Manual](#) or check us out on Twitter @BrighamPharmacy.

Required PGY2 Thrombosis and Hemostasis Learning Activities*	Elective Learning Activities	Longitudinal Activities
<ul style="list-style-type: none"><li>• Orientation/Anticoagulation Certificate Program</li><li>• Coronary Care ICU</li><li>• Cardiac Surgery ICU</li><li>• Hemostatic Antithrombotic Stewardship</li><li>• Anticoagulation Management Service (ambulatory)</li><li>• Benign Hematology</li><li>• Emergency Medicine</li><li>• Medication Safety/ Stewardship Program Leadership</li><li>• Neurology</li><li>• Advanced Integrated Clinical Pharmacy Practice</li></ul>	<ul style="list-style-type: none"><li>• Vascular Medicine Clinic</li><li>• Hematology Clinic</li><li>• Solid Organ Transplant</li><li>• Pediatrics</li><li>• Special Coagulation Laboratory</li></ul>	<ul style="list-style-type: none"><li>• Research project</li><li>• Service Commitment (staffing)</li><li>• Committee Membership</li><li>• Inpatient Orthopedic Anticoagulation Management (AMMO) Service</li><li>• Student Precepting</li><li>• Anticoagulation Leadership Committee</li></ul>

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

## Requirements for Successful Completion of the PGY2 Thrombosis and Hemostasis Residency Program

- Successfully licensed as a practicing pharmacist in the state of Massachusetts by October 1<sup>st</sup>
- Successful completion of all **required** rotation learning experiences
  - Orientation
  - Hemostasis and Antithrombotic Stewardship (HAT)
  - Coronary Care ICU
  - Cardiac Surgery ICU
  - AMB-Anticoagulation Management Service (AMS)
  - Benign Hematology
  - Emergency Medicine
  - Medication Safety/Stewardship Program Leadership
  - Neurology
- Successful completion of all longitudinal learning experiences
  - Committee Membership (Anticoagulation Leadership Committee)
  - Inpatient Orthopedic Anticoagulation Management (AMMO) Service
  - Anticoagulation Leadership Committee
  - Research project with completed manuscript
- Successfully document the completion of all assigned disease states in the resident topic discussionspreadsheet
- Successfully completed 80% of objectives
- Adhere to duty hour policy and complete monthly duty hour tracking
- Conference poster presented at the ISTH / AC Forum / Thrombosis Summit scientific sessions or an equivalent conference
- Successful completion of final report or manuscript of resident research project
- Successful completion one ACPE-accredited continuing education program with completed evaluation
  - Continuing education program during heart week
- Successful completion of additional presentations as assigned with completion of longitudinalevaluations
  - In-services as appropriate per rotation
  - At least 5 Pharmacy 3pm Clinical Meetings

- Participation in Conferences
- ISTH Scientific Sessions or alternative national conference
- Successful completion of professional practice requirements (staffing)
  - Central operations – every third weekend and one weekday evening on resident-rotating basis
- 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 a scientific sessions or other national conference, as mentioned above
  - Manuscript draft for publication
- Successful completion of all required documentation
  - Initial 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 the residency year
- Sitting for and passing the Certified Anticoagulation Care Provider (CACP) Exam

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## 2022-2023 BWH PGY2 Thrombosis and Hemostasis Management

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**Kristi Schwietz PharmD**  
PGY1: Aurora Health Care Metro, Inc  
Milwaukee, WI

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## Thrombosis and Hemostasis Management PGY2 Residency Leadership Team

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**Residency Program Director**  
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**Residency Program Coordinator**  
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