BRIGHAM AND WOMEN’S HOSPITAL
DEPARTMENT OF PHARMACY SERVICES

International Fellowship in Pharmacy Practice
Introduction to Brigham and Women’s Hospital:

Brigham and Women's Hospital (BWH), a 793-bed teaching affiliate of Harvard Medical School, is located in Boston’s illustrious Longwood Medical Area.

In 2013, BWH was named the 9th best hospital in the United States by U.S. News & World Report’s Honor Roll of America’s Best Hospitals. BWH was awarded the number two spot in Gynecology and placed in the top ten for Cancer, Cardiology and Heart Surgery, Rheumatology, Nephrology and Diabetes and Endocrinology.

BWH is one of only two hospitals in the U.S. to be named to the Solucient 100 Top Hospitals® National Benchmarks List eleven times. BWH was also recognized by the University HealthSystem Consortium (UHC) for being one of five top performing academic medical centers in the country in a special quality and safety benchmarking study, three years in a row.

Introduction to the BWH Department of Pharmacy:

The Brigham and Women’s Hospital Department of Pharmacy Services is dedicated to placing a priority on patient care and safety, to promoting research and education, and to integrating technology innovation with clinical services. The department is composed of approximately 200 employees providing services to a many different areas, including: Inpatient and Outpatient Services, Investigational Drug Services, Operating Room, Multiple Sclerosis Center, Sterile Products Division, Infectious Disease, Renal and Heart Transplant Clinics, Anticoagulation Management Service, Emergency Department, Dialysis, Heart Failure Clinic, Influenza and Zostavax immunization clinics. The department serves on over 70 pharmacy and hospital committees.
Description of the BWH International Fellowship in Pharmacy Practice

Under the leadership of Bill Churchill, RPh, MS., Chief of Services, the Department of Pharmacy Services has become a leader in the field of safe medication technology. The International Fellowship in Pharmacy Practice introduces the visiting professional to the dynamic pharmacist role and cutting-edge technology of Brigham and Women’s Hospital Department of Pharmacy. This program allows the participant to discover a variety of opportunities available in the clinical and distributive areas of pharmacy practice.

I. Pharmacy Operations:

Progressive medical technology is a cornerstone of the department’s national and international profile. The fellowship provides the participant with ample time to learn the advantages and challenges of implementing a highly automated drug distribution process throughout a variety of pharmacy-related settings.

- Sterile Products Service
- Operating Room Pharmacy
- Central Pharmacy
- Medication Repackaging Center
- Ambulatory Pharmacy Services
- Investigational Drug Service

II. Clinical Pharmacy Services:

Clinical rotations provide hands-on patient care experience. The fellow will participate in daily medical team rounds and observe the pharmacist’s participation in medication related decisions.

- General Medicine
- General Surgery
- Transplantation (Heart, Lung, Kidney and Pancreas)
- Medical Intensive Care Unit
- Surgical Intensive Care Unit
- Thoracic Intensive Care Unit
- General Cardiology
- Coronary Care Unit
- Neonatal Intensive Care and Newborn Medicine
- Infectious Disease
- Hematology/Oncology and Bone Marrow Transplantation
- Emergency Medicine
- Anticoagulation Management Service
III. Technology and Clinical Informatics:

BWH is the national leader in the development and implementation of advances in medication related technology. BWH implemented physician computer order entry in 1993 and since then, the hospital continues to lead the way. In recent years, BWH has integrated a medication bar-coding system, electronic medication administration records, and “intelligent” infusion pumps. The fellow will have the opportunity to see these processes in place and to learn from those who were the leaders in making these advances a reality

- Computerized Practitioner Order Entry (CPOE)
- Pharmacy Software Applications
  - Inpatient
  - Outpatient
  - Neonatal
  - Bar Code Verification
- Electronic Medication Administration Record (eMAR)
- Longitudinal Medical Records
- Bar Code Verification technology
- Automated Dispensing Machine Technology
- IV Preparation Robotic Devices
- Carousel Technology
- Intelligent Infusion Pumps and Drug Library Development and Maintenance

III. Medication Safety Services

The Department of Pharmacy Services has been a leader in safe medication practice. In 2007, the Institute of Safe Medication Practice awarded the BWH Smart Pump Library Team, a “Cheers Award” which is awarded to those who have “set a superlative standard of excellence for others to follow in the prevention of medication errors and other adverse events”. The fellow will be exposed to several programs in place at BWH consistent with supporting safe medication practice. Examples of such programs include:

- Adverse Drug Event Engine
- Medication Error Monitoring
- Medication Safety Reviews
- Administrative Walk Rounds
IV. Administrative Pharmacy Services

The fellow may have the opportunity to observe some demonstrated leadership skills during the fellowship at BWH. These may include the following:

- Strategic Planning
- Development of Mission and Vision Statements
- Annual Department Reports
- Benchmarking
- Financial Performance Monitoring
- Innovation Planning

VII. Educational Activities

- As an academic institution, Brigham and Women’s Hospital is dedicated to teaching the next generation of pharmacists. In a department hosting approximately 100 students annually, fellowship encompasses attending one of the daily educational presentations and discussions.
- The Fellow is encouraged to attend and participate in a daily clinical meeting with other pharmacists. In this setting, a pharmacist presents a topic of their choice to other pharmacists for a group discussion.
- The hospital provides several educational presentations on a weekly basis. The Pharmacy Fellow is encouraged to attend these hospital-wide sessions.
Program Requirements:

Admission Process:

1) Completion and submission of application and Letter of Recommendation from your Department Director
2) Please note the following suggested application deadlines:
   For attendance during the Winter Term (January-April): October 1
   For attendance during the Fall Term (September-November): July 1
3) The program is generally for the duration of three weeks. An extension beyond three weeks may be considered on special request.
4) Electronic submission of all materials to Bonnie Greenwood, PharmD, BCPS (bgreenwood@partners.org)

Completion Requirements:

1) Three Week Fellowship
   a. A presentation on the topic of your choice to the BWH Pharmacy Staff is required