Welcome!
Joint Dx/NM MP Residency Program at BCH

- Based at BCH, and with rotations at BIDMC, BWH, and MGH
Joint Dx/NM MP Residency Program at BCH

- Started as a shared dream about 10 years ago
- Funded by BCH Radiology Foundation
Joint Dx/NM MP Residency Program at BCH

- Medical physics faculty from 4 hospitals, joined by enthusiasm and love
Boston Children’s Hospital

Rotations:
- Ultrasound
- Radiation safety
- Fluoroscopy, Advanced IR
- Advanced MR
- CT, Advanced CT
- Informatics, Advanced Informatics
Massachusetts General Hospital (MGH)

Rotations:
- Nuclear Medicine
- Advanced NM
- Advanced CT (Dosimetry and IQ)

Hamid Sabet  Bob Liu

Kai Yang  Xinhua Li
Rotations:

- Mammography and Radiography
- CT
- Hybrid Imaging / Theronostics

Chris MacLellan  Matt Palmer

Edmond Olguin
Brigham and Women’s Hospital (BWH)

Rotations:
- Nuclear Medicine
- Advanced NM
- MRI

Georgeta Mihai  Benjamin Auer
Dx MP Track

- Dx Imaging Program, 8 rotations (Rad Safety, Radiography/Mammo, Fluoro/IR, CT, NM, MR, Informatics, US)
- Last 8 months tailored to interest of resident (two advanced rotations)
- Eligible for ABR Dx Medical Physics board upon completion

- Advanced CT
- Advanced Breast Imaging
- Advanced MRI
- Advanced Informatics
- Advanced Reconstructions
- Advanced FL/IR
- Hybrid Imaging
NM MP Track

- NM Imaging Program, 8 rotations (Rad Safety, Radiography/Mammo, Fluoro/IR, NM, CT, MR, Informatics, Radionuclide Therapy)
- 2nd year dedicated to NM with in-depth training
- Eligible for ABR Nuclear Medical Physics board upon completion

In-depth training in
- Radiopharmacy
- NM Non-Imaging Equipment
- NM Imaging Equipment
- Radionuclide Therapy
- Clinical Studies
- QC tasks performed solo
- Advanced topics in Kinetic Modeling
- Advanced topics in Tomographic Reconstruction
- Shielding
- Hybrid imaging
Graduates and Trainees from Our Residency Program

- Christiane Burton, PhD, DABR
  - Diagnostic Medical Physicist, Northwestern University

- Reyhaneh Nosrati, PhD, DABR
  - Senior Machine Learning Data Scientist, Johnson & Johnson

- Andrew LaBella, PhD
  - Medical imaging physicist, SUNY Stonybrook

- Renxin Chu, PhD
  - Senior resident

- Sang Hoon Chong, PhD
  - Junior resident
Affiliated/Supporting Facilities
Online Resources about Our Program

• Virtual tour about graduate medical training at Boston Children’s Hospital: https://youtu.be/BOJU31vORoG
  • Webpage of our program: https://on.bchil.org/38rWVTK

• The Gordon Center for Medical Imaging at MGH, where our Nuclear Medicine and Advanced Nuclear Medicine rotations are hosted
  • Webpage: https://gordon.mgh.harvard.edu

• BCH SIMPeds3D Printing lab: https://youtu.be/QZ4KLzhL6tw

• BCH Computational Radiology Laboratory:
  • http://www.crl.med.harvard.edu
  • https://www.childrenshospital.org/research/labs/computational-radiology-laboratory
Work and Life in Boston
Residents’ offices at Longwood Center
Cafés around the Longwood Area
Commuting and Transportation

- “Walker/Rider/Biker’s Paradise”
- Free Shuttle between MGH and Longwood area
- Parking available for residents at discounted price
Rentals near Longwood Medical Area

Example places to rent

- Fenway / Longwood
- Brigham Circle
- Jamaica Plain
- Along the Green Lines (subway B, C, D, E)
Some colleges and medical schools

- Harvard University/Medical School
- Boston University/Medical School
- Tufts University/Medical School
- Northeastern University
- MIT
- Suffolk University
- UMass Boston
- Boston College
- Simmons College
- Emmanuel College
- Emerson College
- Mass College of Pharmacy and Health Science
- Mass College of Art
- Berklee College of Music
- New England Conservatory of Music
Boston is a gorgeous city with many attractions!
Attractions: Sports
• Red Sox
• Patriots
• Celtics
• Bruins
Attractions: Art and Music

- Museum of Fine Arts
- Gardner Museum
- Boston Symphony Orchestra
- Boston Pops Orchestra
Boston is also a dynamic city full of professional events!