

# Welcome!



Beth Israel Lahey Health   
Beth Israel Deaconess Medical Center

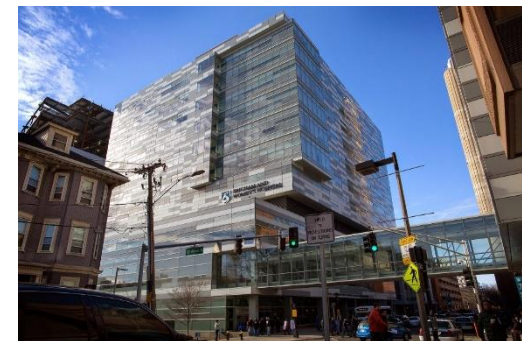
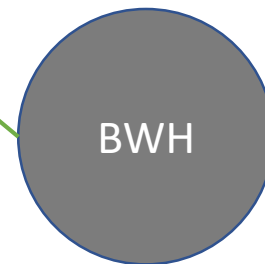
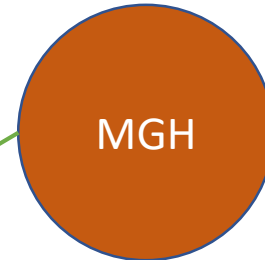
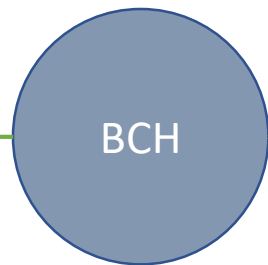


**BRIGHAM HEALTH**



# Joint Dx/NM MP Residency Program at BCH

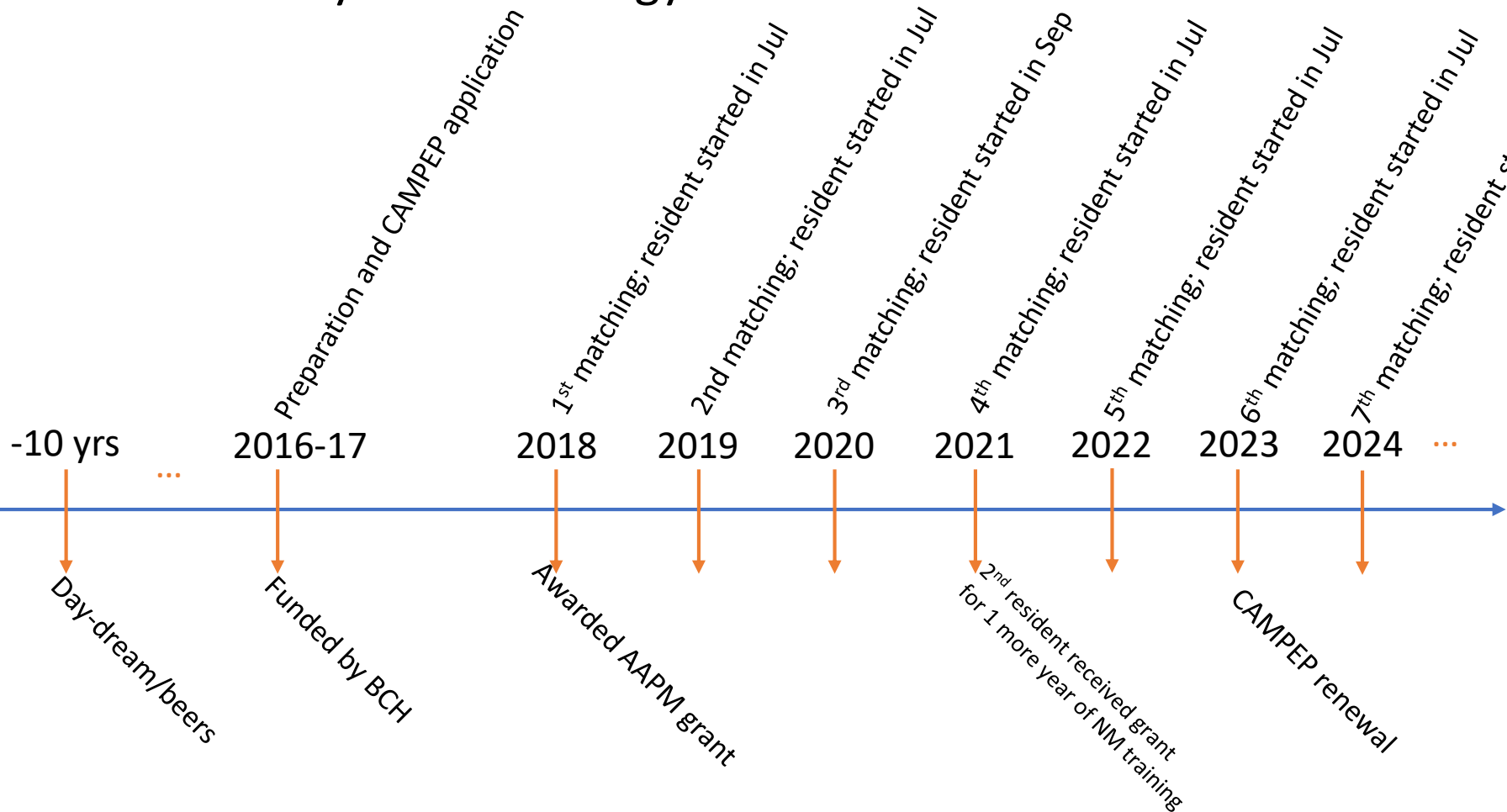
- Based at BCH, and with rotations at BIDMC, BWH, and MGH





# 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:

- *Radiation safety*
- *Fluoroscopy, Advanced IR*
- *CT, Advanced CT*
- *Advanced MR*
- *Informatics, Advanced Informatics*
- *Ultrasound, Advanced Ultrasound*



Fred Fahey



Da Zhang



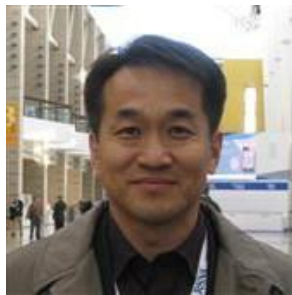
Bob Mulkern



Simon Warfield



Peng Sun



Don-Soo Kim



Andrew Najjar





# Massachusetts General Hospital (MGH)

## Rotations:

- *Nuclear Medicine*
- *Advanced NM*
- *Advanced CT (Dosimetry and IQ)*



Hamid Sabet



Bob Liu



Kai Yang



Xinhua Li





# Beth Israel Deaconess Medical Center (BIDMC)

## Rotations:

- *Mammography and Radiography*
- *CT*
- *Informatics*
- *Hybrid Imaging / Theronostics*



Chris MacLellan



Matt Palmer



Edmond Olguin





# Brigham and Women's Hospital (BWH)

## Rotations:

- *Nuclear Medicine*
- *Advanced NM*
- *MRI*



Georgeta Mihai



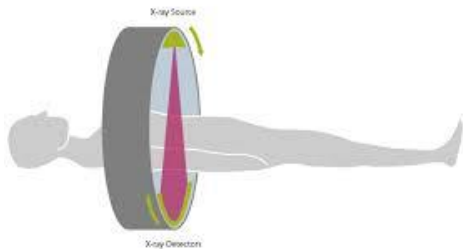
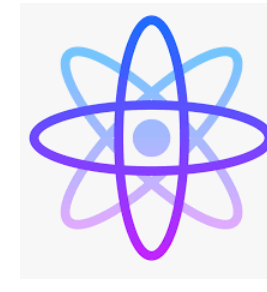
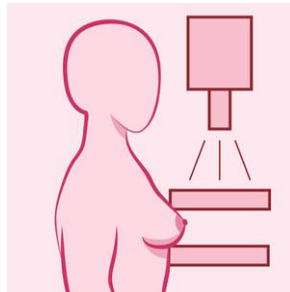
Benjamin Auer





# 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



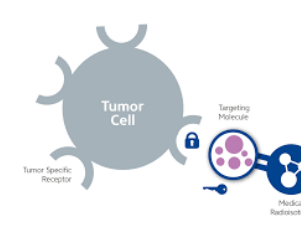
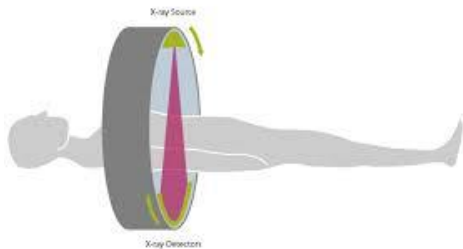
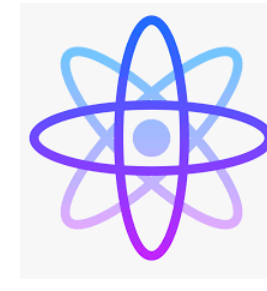
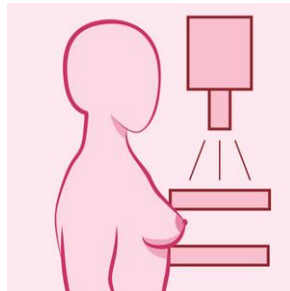
ULTRASOUND

# NM MP Track

- NM Imaging Program, 8 rotations (Rad Safety, Radiography/Mammo, Fluoro/IR, NM, CT, MR, Informatics, Radionuclide Therapy)
- 2<sup>nd</sup> 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, DABR
  - Medical imaging physicist, SUNY Stonybrook
- Renxin Chu, PhD
  - Medical imaging physicist, Univ. of Virginia
- Sang Hoon Chong, PhD
  - Senior resident
- Peter Jeon, PhD
  - Junior resident

# CRL

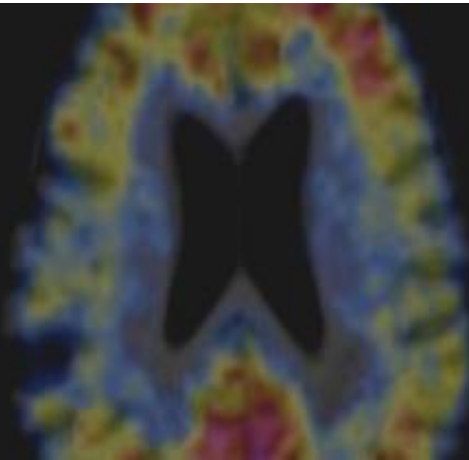
Computational Radiology Laboratory at Boston  
Children's Hospital



## Affiliated/Supporting Facilities



Gordon  
Center for  
Medical  
Imaging



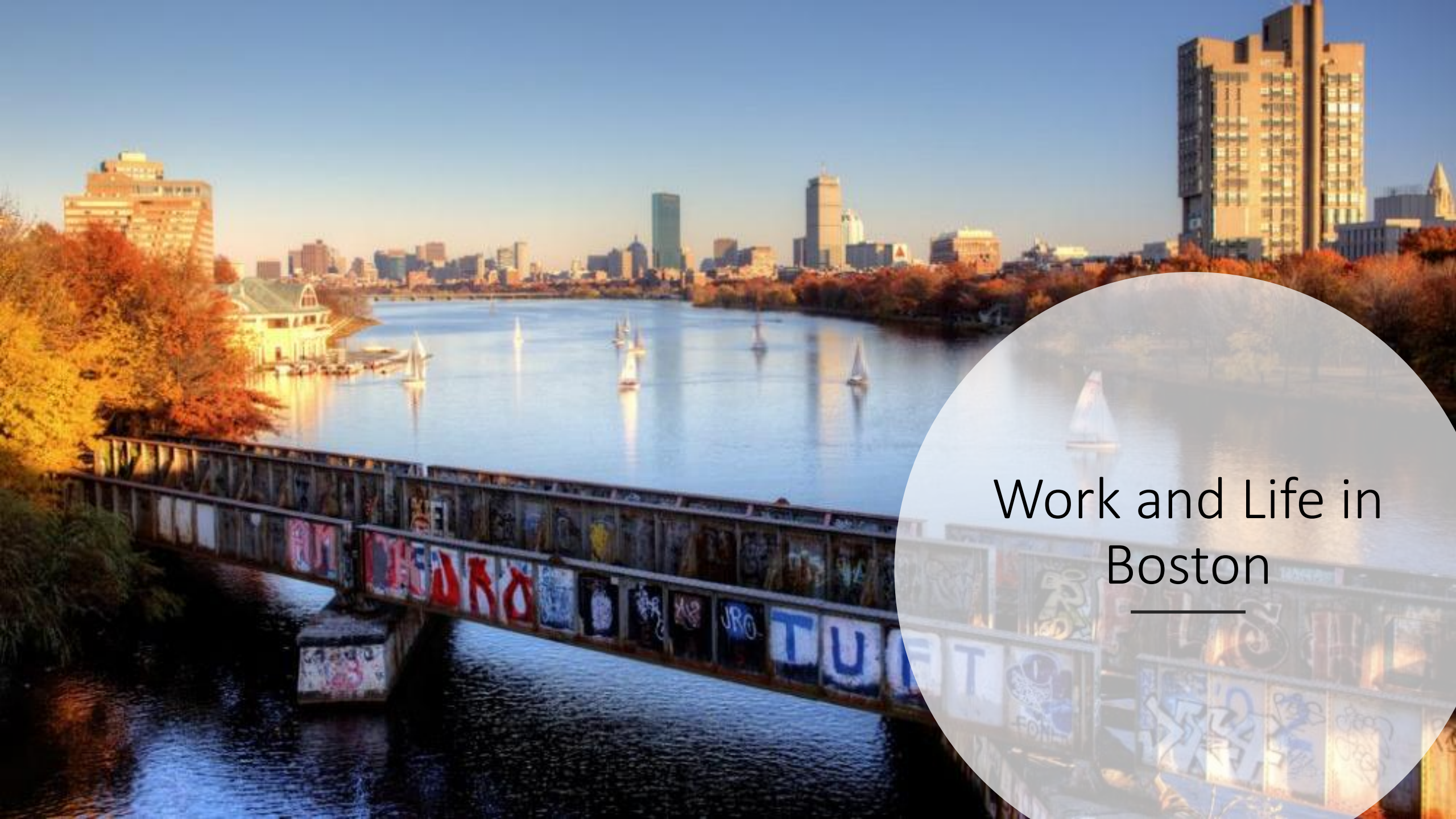
WELCOME TO THE GORDON CENTER





# 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

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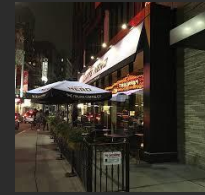


Residents' offices at  
Longwood Center





# Cafés around the Longwood Area





# Walker's Paradise ?

Fenway - Kenmore - Audubon Circle - Longwood, Boston, 02115

Commute to **Downtown Boston**

9 min 21 min 14 min 46 min [View Routes](#)

[Favorite](#) [Map](#) [Nearby Apartments](#)

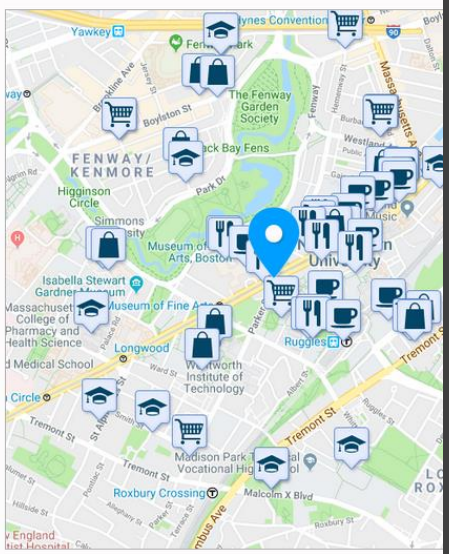
[Looking for a home for sale in Boston?](#)

**Walk Score 95**  
Walker's Paradise  
Daily errands do not require a car.

**Transit Score 96**  
Rider's Paradise  
World-class public transportation.

**Bike Score 90**  
Biker's Paradise  
Daily errands can be accomplished on a bike.

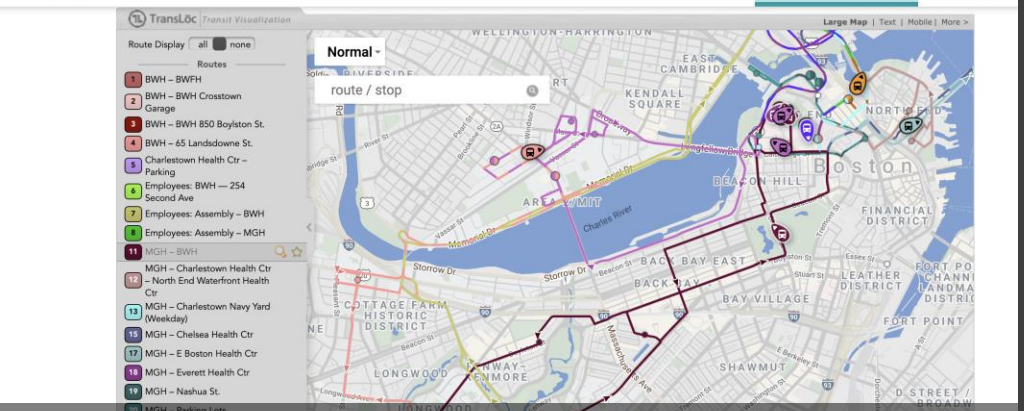
[About your score](#)



# Commuting and Transportation

- "Walker/Rider/Biker's Paradise"
- Free Shuttle between MGH and Longwood area
- Parking available for residents at discounted price

[Who We Are](#) [How We Lead](#) [Find & Get Care](#) [Patient Information](#) [COVID-19](#)



**Free (private) shuttle bus between BWH and MGH**



# Rentals near Longwood Medical Area

## Example places to rent

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

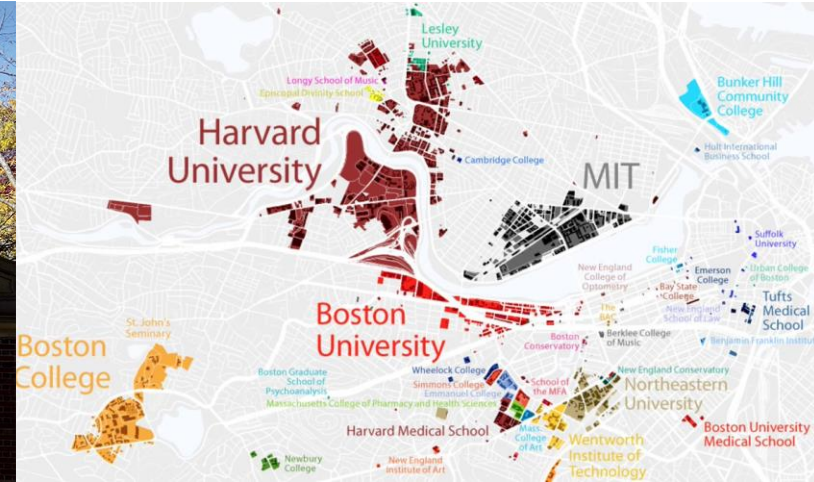




# Boston is a city for students and trainees

## 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!





HOME OF THE BOSTON RED SOX™



## Attractions: Sports

- Red Sox
- Patriots
- Celtics
- Bruins

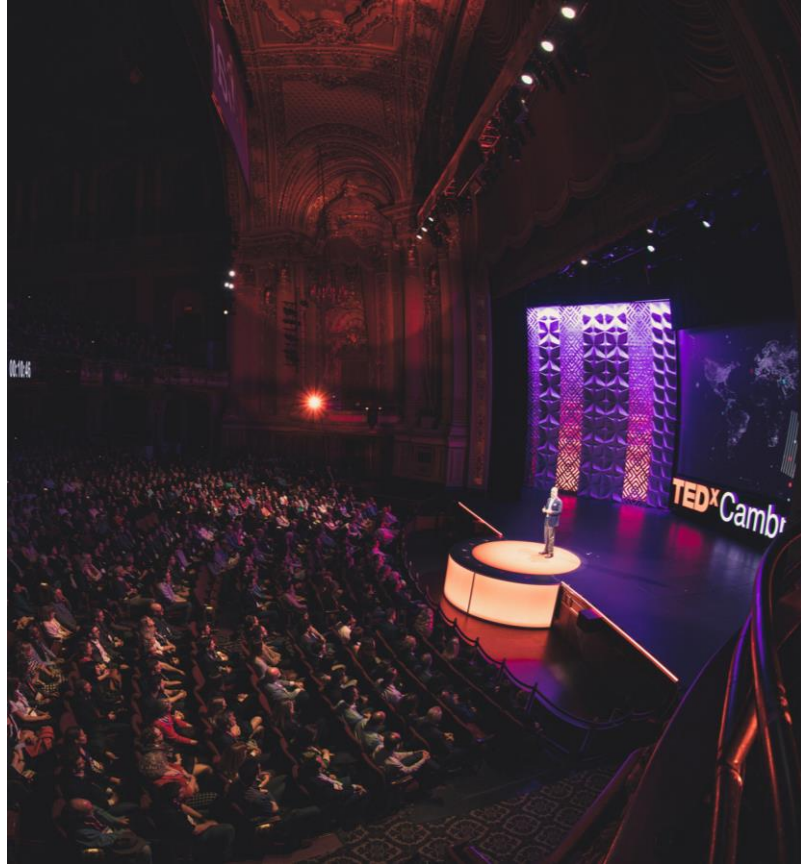




## Attractions: Art and Music

- Museum of Fine Arts
- Gardner Museum
- Boston Symphony Orchestra
- Boston Pops Orchestra





Boston is also a dynamic city full of professional events!

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# BCH Benefits at a Glance

## Benefits at a Glance

FOR CLINICAL FELLOWS AND RESIDENTS



At Boston Children's Hospital, you'll find a range of opportunities that will help you realize your goals — both in and out of the workplace.

Boston Children's is deeply committed to creating a collaborative, best-in-class work environment at all levels. As one of the top children's hospitals in the nation, we are proud to offer a competitive benefits program that is designed to meet the needs of you and your family, with a range of flexible resources to support you throughout your personal and professional life.

To learn more about all of these benefits, visit [Boston Children's Today > Human Resources > Benefits](#).

Make our next success story your own.  
We are Boston Children's.

### Health and Welfare Benefits

Comprehensive coverage is offered across the health and welfare benefits spectrum, providing employees with affordable choices and flexibility. The following benefits are available to all regular Boston Children's employees working at least 20 hours per week.

#### Medical

Boston Children's offers a choice of three plans through Blue Cross Blue Shield of MA (BCBSMA). All three plans provide high quality coverage, and differ in the amount you pay out of your paycheck (contributions) versus the amount you pay out-of-pocket when you seek care (copayments, coinsurance and deductibles):

- **Network Blue New England Value HMO:** With this plan, you can choose to use a Standard or Preferred Tier\* provider. This plan has the lowest bi-weekly employee contributions, with higher deductibles.

- **Network Blue New England Premium HMO:** Similar to the Value HMO, you receive care from a Standard or Preferred Tier\* provider. This plan has higher bi-weekly employee contributions and lower deductibles than the Value HMO.
- **Blue Care Elect Preferred PPO:** This plan provides the most flexibility; you can receive care from providers inside and outside of the BCBS network, referrals are not required, and tiering does not apply. The PPO has the highest bi-weekly employee contributions. (For those who have a primary work location outside of New England and are only eligible for the Blue Care Elect PPO, we offer this plan at a reduced rate.)

All of Boston Children's plans cover preventive health services at 100% with no deductible, copayment or coinsurance if the services are done within the BCBS network. Telehealth visits are also covered, providing access to a select network of providers by video. Pharmacy benefits are provided through CVS Caremark with reasonable copayments.

### Medical plan costs

You and Boston Children's share in the cost of your medical coverage. The pre-tax amount you contribute per pay period is based on your full-time (30 or more hours per week) or part-time (20 to 29 hours per week) work status, coverage level (employee-only, employee plus spouse, employee plus child(ren) or full family), and choice of plan.

In addition, to make coverage affordable for as many employees as possible, Boston Children's offers levels of pricing based on pay. Your contribution rate will vary as follows:

Salary Level	If your base hourly rate or 40-hour annualized salary equivalent is:	Boston Children's subsidy:
Green Salary Level	Less than \$24.04 per hour or less than \$50,000 per year	\$\$\$ \$
Orange Salary Level	\$24.05 - \$48.07 per hour or \$50,000 - \$99,999 per year	\$\$\$
Blue Salary Level	\$48.08 - \$72.11 per hour or \$100,000 - \$149,999 per year	\$ \$
Purple Salary Level	More than \$72.11 per hour or \$150,000 or more	\$

Please note, for those who have a primary work location outside of New England and are only eligible for the Blue Care Elect PPO, rates are not based on salary.

### Dental

You have two choices for dental coverage through Delta Dental — the Dental Basic Plan and the Dental Plus Plan — and you and Boston Children's share the cost. Both plans offer coverage for diagnostic, preventive, and basic and major restorative services. Orthodontia coverage for both children and adults is available in the Plus Plan only.

Both plans offer a unique Rollover Max feature in which a portion of the annual maximum ("Max") that you or your family members do not use during a plan year may be rolled over to the next year and added to that year's annual Max, if you or your family members have at least one cleaning or oral exam during the year.

### Vision

You have two choices for vision coverage through VSP — the Vision Basic Plan and the Vision Plus Plan. Both options provide coverage for regular eye exams and for glasses or contacts. You pay the full cost if you choose vision coverage.

The Vision Plus Plan includes KidsCare, providing additional benefits to meet the unique requirements of children.

### Flexible Spending Accounts

Flexible spending accounts are a great way to reduce your tax liability.

- **Health Care Flexible Spending Account (HCFSA):** Allows you to set aside up to \$3,050 each year (per annual IRS guidelines) on a pre-tax basis to pay for eligible health care expenses not covered by other benefits programs.
- **Dependent Care Flexible Spending Account (DCFSA):** Allows you to set aside up to \$5,000 each year (per annual IRS guidelines) on a pre-tax basis to help pay for eligible dependent day care expenses.

### Disability, Life and Voluntary Insurance



#### Short Term Disability

Short Term Disability Insurance (STD) protects against lost wages due to pregnancy, illness and injury. Boston Children's provides coverage automatically at no cost to you after three months of employment. If you are unable to work due to an illness or injury STD insurance pays 60% of your weekly base pay, providing up to a maximum benefit amount of \$2,000 per week, for up to 26 weeks (after a seven-day waiting period).

### Retirement Benefits

Saving for retirement is important at every age. **The 403(b) Savings Plan** gives you the opportunity to save for your future financial needs through pre-tax and/or post-tax contributions. You'll be automatically enrolled with a contribution rate of 2% of your eligible salary on a pre-tax basis unless you choose another amount or opt out. After two and 1/2 years of service, Boston Children's will make year-end contributions equal to 4% of your eligible salary each year.

**Retiree Medical Savings Account Plan:** After three years of continuous service, you'll be eligible to set aside up to \$4,500 per year in a special account that can be used to help pay for out-of-pocket medical expenses in retirement.

**Long Term Disability Insurance (LTD):** You can choose between two plans that pay either 40% or 60% of your monthly pay (up to plan limits) if you're unable to work on a long-term basis due to an illness or injury. LTD is fully paid by the employee on an after-tax basis, which means any benefits received would be tax-free. Evidence of Insurability (EOI) is not required if you enroll when first eligible.

**Basic Group Life and Accidental Death and Dismemberment (AD&D) Insurance:** You'll automatically receive Basic Life and AD&D coverage equal to your base annual pay, provided at no cost to you.

Boston Children's pays the entire cost for **Business Travel Accident (BTA) Insurance**, which provides a benefit if you experience a medical emergency while traveling on business.

You may purchase **supplemental life insurance** up to 5 times your salary, as well as **life insurance for your spouse** (up to \$100,000, with up to \$50,000 without EOI) and **dependent children** (with no EOI requirements). You may not elect spouse life insurance if your spouse is a benefits-eligible Boston Children's employee.

Employees can buy additional voluntary insurance designed to complement medical benefits and offer extra financial protection if you are facing an **Accident, Critical Illness, or Hospitalization**.

### Paid Time Off

At Boston Children's we believe that taking time off is important for maintaining your work/life balance and well-being. We offer Paid Time Off for jury duty, bereavement leave and organ donation. Other Paid Time Off is taken as needed and approved by your department.

\*The two HMO plans are subject to a modified tiered network through BCBS. Primary care providers (PCPs) and hospitals within the provider network are designated as either Standard or Preferred Tier based on cost, quality and location. Choosing a provider in the Preferred Tier can save you money at the time of service (coinsurance or copayments) and provides more affordable options within the plans.



# BCH Benefits at a Glance

## Other Benefits

We are proud to offer an array of other benefits designed to help you stay healthy, grow in your career, and to support your work/life balance.

**Student Loan Repayment Program:** A benefit of up to \$200 per month (\$100 if you are part-time) is available for all employees.

**Family Care Services:** In recognition of the financial challenges researchers face when starting or growing a family during a fellowship, Boston Children's provides leave and benefits to certain eligible Research Fellows for a qualifying birth, adoption, or foster placement event ("Parental Leave").

**Flexible Work Arrangements:** The eWork and Flexible Schedule programs promote work-life balance. eWork is any standard schedule that an employee works remotely (off-site), while Flexible Schedules provide an opportunity to accommodate non-standard work weeks. (Not all positions are eligible for eWork or Flexible Schedules.)

**Health Well-Being Programs:** A wide range of well-being benefits can help you manage certain conditions and improve your health. Benefits-eligible employees have access to these subsidized or discounted programs:

- Grokker—on-demand health and well-being app with 4,000+ video classes
- YMCA discount—Receive 10% off a monthly membership and no joiner's fee
- Boston Sports Club/NYSC Discount—Passport membership
- Healthworks Fitness—Discounted membership

Employees covered by one of our medical plans can join at no additional cost:

- Livongo—holistic diabetes management program with personalized analytics, education coaching, and blood glucose monitoring

- Fitness and Weight Loss Reimbursement through BCBS
- Brightline—virtual therapy and coaching for your children (aged 18 months through 17 years)

**Financial Well-Being Programs:** BCH employees have access to the following resources to keep you financially secure:

- Working Credit—credit-building expert platform with free, confidential advisory services and customized action plans
- PerkSpot—BCH's exclusive discount program with up to 40 new deals each day, from vacation packages to wedding and tech
- Harvard University Employees Credit Union—provides low transaction fees and enhanced customer service for loans
- Ford Partner Recognition X-Plan Vehicle Pricing—exclusive savings on Ford and Lincoln vehicles

**Parent Resources:** Our benefits in this area are excellent, including:

- Child care subsidy of up to \$200 per month for eligible employees
- 20 days per year of subsidized emergency back-up child and adult care through Care.com
- Adoption Assistance, including second parent adoption



## Additional Benefits

- Many options for learning and development
- Confidential counseling through the Employee Assistance Program (EAP)—call SupportLinc at 888-507-7089
- Emergency financial support program
- Legal Assistance Plan
- Pet Insurance Plan
- Discounted Group Home and Auto insurance
- Discount tickets, fitness clubs, phones and more

## Commuter Benefits

Boston Children's provides options to get to work more easily without jeopardizing patient parking services:

- Subsidized MBTA passes (please see the Parking and Commuter Services page on Boston Children's Today)
- Discounted parking
- Free shuttle van service
- Discounted ZipCar rates
- Bike share subsidies

## Paid Time-Off at Our Residency Program

- Trainees in this program receive 15 days of time-off days per year.
- This time must be used by June 30 of each year; unused days will not carry over.
- Leaves of absence may be granted to residents at the discretion of the program director in accordance with local rules.

Thanks for being part of the  
Boston Children's success story.

We're excited for you to join us.



**Boston  
Children's  
Hospital**

[bostonchildrens.org](http://bostonchildrens.org)

This is a summary focused on benefits for Staff employees. Plan eligibility and offerings may vary based on your employee group, work status and schedule. If any statement conflicts with applicable plan documents, the plan documents will govern plan provisions and payment of plan benefits.

2024 BENEFITS