



Postdoctoral Training in Informatics, Genomics, Machine Learning, Artificial Intelligence, and Biomedical Data Science – Boston Children’s Hospital / Harvard Medical School

The [Computational Health Informatics Program](#) (CHIP) at Boston Children’s Hospital hosts a training program for postdoctoral fellows to be trained in Informatics, Genomics, Machine Learning, Artificial Intelligence, and Biomedical Data Science. The program is funded by the *Eunice Kennedy Shriver* National Institute of Child Health and Human Development (NICHD) at the National Institutes of Health (T32HD040128-16) and is open to US citizens and permanent residents.

Over the past two decades, the program has trained a mix of 19 fellows with MDs and PhDs. More than 90% have gone on to receive independent funding in faculty positions in academic medicine.

The unparalleled learning environment at Boston Children’s Hospital, a teaching hospital of Harvard Medical School, enables access to world-class mentors. Fellows are able to leverage research networks and multi-site collaborations with storied institutions such as Harvard Medical School, Massachusetts Institute of Technology, the Broad Institute, and Dana Farber Cancer Institute.

Program Structure

Fellows in the training program work toward independence in two interrelated phases:

- 1) Mentored research project: fellows will be mentored by a faculty member of choice and will select a research topic.
- 2) Formal course work: trainees may have the option of formal coursework. The Program Director and faculty mentor work with the fellow to tailor the curriculum based on the skills required for the fellow’s research project and long-term objectives. Often, this can lead to coursework at the Harvard Department of Biomedical Informatics or the Harvard School of Public Health. Many projects have an emphasis on pediatric emergency and acute care.

Admissions

Applications are open, and admissions are available on a rolling basis.

Eligibility

Citizens or permanent residents of the United States enrolled in a research doctoral, research postdoctoral, clinical doctoral, or clinical postdoctoral are eligible to apply. Preference will be given to candidates, who have, or are seeking, board certification in pediatric emergency medicine, or who have research interests that are aligned with CHIP’s core research areas.

The program has been committed to recruiting and retaining postdoctoral trainees who are URiM. We have maintained our commitment to diversity through prioritizing applications from diverse and disadvantaged backgrounds. Women and underrepresented minority groups are strongly encouraged to apply.

How to Apply

Click [here](#) to ask questions.

To apply, send a CV, a personal statement and three letters of reference to megan.rollins@childrens.harvard.edu.