

Channing Division of Network Medicine
Department of Medicine
181 Longwood Avenue
Boston, Massachusetts 02115-5804

**Postdoctoral Position in Epigenetics/Genomics/Bioinformatics and Lung
Disease**
Channing Division of Network Medicine
Brigham and Women's Hospital and Harvard Medical School

The Channing Division of Network Medicine at Brigham and Women's Hospital is looking for exceptional postdoctoral fellowship candidates to join the Systems Genetics and Genomics group to advance research in respiratory disease, with a focus on shared and divergent determinants of idiopathic pulmonary fibrosis and chronic obstructive pulmonary disease (COPD).

Our group has led some of the largest and most comprehensive genetic and multi-omic studies in lung diseases, including identifying novel genetic associations and performing functional studies to identify new disease pathways. Fellows will work with an interdisciplinary team, consisting of geneticists and genetic epidemiologists, biostatisticians, computational biologists, and translational scientists and clinicians. The fellow will work on one of several NIH funded projects including analysis of large-scale epigenetics, whole-genome sequencing, proteomic and RNA sequencing data from human samples. The candidate will work directly with Dr. Dawn DeMeo, in collaboration with Dr. Edwin Silverman, Chief of the Division of Network Medicine.

Qualified candidates should have a Ph.D. in bioinformatics, genetic epidemiology, statistics, mathematics, physics, or a related quantitative field and strong programming skills in R / Bioconductor, Python or MATLAB; previous experience in analysis of epigenetic, genetic or other -omic data is mandatory with candidates with experience in the analysis of DNA methylation and whole genome sequencing data given priority; excellent communication (oral and written) and documentation skills; ability to adhere to reproducible research standards; ability to work well in teams and interact with all levels of staff; and the drive to pursue scientific questions, and readily-able to learn new skills and analytic techniques.

Brigham and Women's Hospital is a Harvard Medical School affiliated institution, with over 1000 principal investigators. The Channing Division of Network Medicine is a research division within the Department of Medicine whose goal is to define the etiology and reclassify complex disease using network- and systems-based approaches. This group includes some of the largest population-based and pulmonary cohorts in the world, and an outstanding track record of mentoring.

We are an equal opportunity employer that strongly values diversity, equity and inclusion, and all qualified applicants will receive consideration for employment without regard to race, color, religion, sex, national origin, disability status, protected veteran status, gender identity, sexual orientation, pregnancy and pregnancy-related condition or any other characteristic protected by law.

Appointment and/or employment at a Mass General Brigham affiliate is contingent upon compliance with all requirements for employment at the Mass General Brigham affiliate. These requirements include without limitation:

- United States Citizenship and Immigration Services rules concerning identity and right to work in the United States
- Multi-state criminal background checks

- Review of the Medicare Sanctions and Exclusions List
- Pre-employment health and drug screening and annual compliance with the Influenza Vaccination Policy

Any offer of employment is contingent upon satisfactory completion of the above requirements for employment.

Reference information, including academic and/or employment records, final evaluations and recommendations for future employment will be required.

Qualified candidates should submit their CV, the names of two references, and a cover letter to Dr. Dawn DeMeo (dawn.demeo@channing.harvard.edu).