

August 30th, 2021

Post-Doctoral Fellow Position

The [Mouro Pinto Lab](#) in the Center for Genomic Medicine, at the Massachusetts General Hospital and Harvard Medical School, is seeking a highly motivated post-doctoral fellow candidate. We are interested in **repeat expansion-associated neurodegenerative disorders**, such as **Huntington's disease** and **Friedreich Ataxia**, with a major focus on characterizing the mechanisms responsible for somatic repeat instability as potential therapeutic targets. We use both mouse and patient-derived cellular models, in combination with genome engineering tools, viral-based delivery techniques and next-generation sequencing, to develop methods for unbiased quantification of long somatic repeat expansions, identify novel biomarkers and disease modifier genes, and ultimately develop new therapies for these devastating disorders.

Candidates must hold a Ph.D. in Biology, Genetics, Neuroscience or other closely related fields, or an M.D. with relevant research experience. **Desirable skills** include expertise in any of the following: molecular biology and cloning techniques, animal handling and *in vivo* research, mammalian cell culturing (preference for experience in iPSC differentiation), gene expression analysis (preference for RNA-Seq and single cell experience), immunohistochemistry, CRISPR/Cas9-based gene editing, AAV design, biomarker discovery, exosome and extracellular vesicle isolation, as well as bioinformatics and computational biology.

We offer competitive pay at or above NIH recommended level and assistance with visa application for international candidates. **Interested applicants** should email Dr. Mouro Pinto (rmouropinto@mgh.harvard.edu) with a copy of their CV/Biosketch and a brief summary of accomplishments, research interests and career goals.

More details at <https://mouropintolab.mgh.harvard.edu/>