Postdoctoral Research Fellow Position Within the Wainger Laboratory at Massachusetts General Hospital, Harvard Medical School

We are looking for highly motivated postdoctoral fellows to lead studies on amyotrophic lateral sclerosis (ALS) and pain in the laboratory of Brian Wainger, MD, PhD at Massachusetts General Hospital. Our lab is dedicated to developing therapies for treating motor and sensory neuron diseases, in particular ALS and pain. We use a complementary set of tools including iPSC modeling, high-content imaging, single-cell calcium flux assays, patch and multi-electrode array recording, gene editing, bulk and single-cell RNA sequencing, and analysis of human tissue. It is an exciting time to join the lab, on account of refined and powerful iPSC modeling as well as a range of promising tools and projects for which we are expanding based on successful funding applications. These include neuroimmune interactions driving ALS, phenotypic screens based on validated ALS features, application of iPSC-derived motor neurons as a cell therapy, identification of novel analgesics through high content screens, and development of a pain gene therapy. Please find more details at waingerlab.org

The candidate should have a doctoral degree, strong research background, and initiative to lead projects. The ideal candidate would have experience in stem cell modeling and/or physiology (patch clamp and calcium imaging), relevant animal models, programming in R and statistical knowledge sufficient for handling datasets and addressing variance for large scale experiments (phenotypic screens). Also relevant would be experience in bioinformatic analyses of expression datasets.

Our lab is active within Massachusetts General Hospital, the Broad Institute, Harvard Program in Neuroscience, and Harvard Stem Cell Institute. We also have several prominent academic and industry collaborations. The candidate will have ample opportunities to interact and present within all these forums. The position is for at least two years and is fully funded. Postdoctoral fellows are supported by skilled research assistants and have exceptional opportunities for scientific discovery and career advancement.

Please send cover letter, letters of reference, statement of research experience and career goals, and CV to Brian Wainger ([brian.wainger@mgh.harvard.edu)](mailto:brian.wainger@mgh.harvard.edu).