

Defining the therapeutic window and threshold for neuronal gene therapy in Friedreich Ataxia

A 2-year funded engineer position is available in the Puccio Laboratory at the Institut Neuromyogène in Lyon (France).

Our group focuses on hereditary cerebellar ataxias, rare neurodegenerative disorders that affect the cerebellum and/or the spinal cord. Our group is interested in unraveling the pathophysiological mechanisms implicated in cerebellar ataxias, with a particular focus on cerebellar ataxias linked to mitochondrial dysfunction. Furthermore, we aim at developing therapeutic approaches to cure these devastating diseases. We address these fundamental and medical questions by combining human genetics, mouse genetics, biochemistry, molecular and cell biology, pharmacology and AAV-based gene therapy. There are two objectives to this project, funded by the Friedreich Ataxia Research Alliance (FARA): to further develop gene therapy approaches for Friedreich ataxia and to explore the developmental component of the disease with a particular focus on the neuronal component of the disease. More information on the team can be found on the [Puccio Lab Web site](#).

Profile: 2-year position for an assistant engineer. Candidates must be highly motivated and have a M2 in biological science or neuroscience, or sufficient years of laboratory experience in the field. Hands-on experience with molecular techniques as well as animal work (Experimental animal certification level 1 or equivalent) is required. Prior experience with behavioral phenotyping, gene therapy, or neurodevelopment would be an asset. French speaking is NOT a requirement. Ability to work independently and within a team environment, computer literacy and good communication skills are required.

When/how to apply: Starting date September 2021, but due to the pandemic restrictions, we will accommodate the selected candidates. Deadline for submission is fixed to May 31st 2021. Please send your application in a single pdf (3 pages max), including your CV, summary of your previous research experiences, and contact information of 2-3 references to: helene.puccio@inserm.fr

About us: The Puccio group is provided with a fully equipped molecular and biochemistry laboratory, and is embedded in a highly collaborative and multidisciplinary environment at the Institut NeuroMyoGène, in the highly dynamic and international city of Lyon, France. The candidate will benefit from an excellent work environment, including various state-of-the-art research facilities in the Lyon-Est campus. Lyon is considered as one of the most attractive metropolises in Europe, with a strong signature in biological science, architecture, & gastronomy

