

TREAT-ARCA

Designing a toolbox of paradigmatic treatments for a targeted molecular medicine approach to autosomal-recessive ataxias

A 3-year funded postdoctoral 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.

The current project, funded by the European Joint Programme for Rare Diseases, aims at developing novel therapeutic approaches and at discovering and validating biomarkers that will enable to follow treatment for COQ8A ataxia, a rare recessive ataxia linked to CoQ10 metabolism.

More information on the team can be found on the [Puccio Lab Web site](#).

Profile: 3-year position for a postdoctoral researcher. Candidates must be highly motivated and have a PhD in biological science or neuroscience. Experimental animal certification level 1 or equivalent is required. Hands-on experience with molecular and cellular biology techniques as well as animal work is required. Prior experience with gene therapy and/or pharmacology, RNA sequencing or bioinformatics would be an asset but is not required. 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

