

GENETHON, leader in the development of innovative therapies, especially in gene therapies for rare diseases, is a structure that integrates research, preclinical and clinical development notably thanks to its state-of-the-art platforms. Inserm supports its research activities.

Within the framework of a program on muscular dystrophies, GENETHON is initiating a project using the CRISPR/ Cas9 technologies and entitled “**Giant editing: genome editing for large genes in muscular dystrophies**”. For this project, GENETHON recruits:

### **A POST-DOCTORAL RESEARCHER**

#### **THE PROJÉT**

Dystrophin and titin are two large proteins causing muscular dystrophies. The large size of the corresponding genes impedes classical gene therapy. To circumvent this issue, this project will develop new therapeutic tools based on the CRISPR/Cas9 technology in its different forms (gene and base editing) in iPS cells and animal models.

#### **THE ASSIGNEMENT**

Under the supervision of Head of research laboratory, you design, plan and lead studies linked to the project in collaboration with different teams, both internally and externally.

As such you

- Design and lead project of the project’s studies,
- Define the development strategies and define/write the required protocols,
- Analyse and interpret the results,
- Draw up reports and scientific publications,
- Prepare scientific présentations (internal/external),
- Comply with the regulations and standards in terms of quality and security.

#### **YOUR PROFILE**

Candidates must have a PhD in biotechnology/biology/genetics, solid background in cell and molecular biology, interest in translational research of genetic diseases, good publication record and excellent references, and be fluent in English with a maximum 3 years of post-doctoral experience. A previous experience on gene editions is preferred.

**Required skills:** Autonomy, creativity, critical spirit, rigor, enthusiasm, organisation, team spirit.

Temporary 3 years position, in Evry (91), France, starting date: beginning of January 2019

Application must be made **in English**. Candidates must send the following documents as **a single pdf file** (multiple documents sent will not be taken into account) to [ipostdoc@genethon.fr](mailto:ipostdoc@genethon.fr), under the **2018-IPD-001** reference:

- Cover letter including a motivation statement (1 page)
- Detailed CV, including a summary of candidates research experience
- List of publications and communications
- Names of 2 or 3 referees qualified to provide a recommendation letter.

**Application deadline: 15<sup>th</sup> September 2018**