

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.

For the « ***Development of novel genome editing approach to treat Duchenne muscular dystrophy*** » project, GENETHON recruits:

A POSTDOCTORAL RESEARCHER

THE PROJ

Duchenne muscular dystrophy (DMD) is the most prevalent, genetically inherited neuromuscular disorder worldwide and affects 1 in 3500 young males. Most DMD patients become wheelchair-dependent early in life, and the gradual development of cardiac hypertrophy-a result of severe myocardial fibrosis-typically results in premature death in the first two or three decades of life. Our aim is to find alternative genome editing strategies to treat all patients regardless of their genotype. The postdoctoral researcher will lead the generation, characterization and the use of the CRISPR/Cas9 technology *in vitro* in immortalized myoblast of healthy and DMD patients and *in vivo* in mouse models.

THE ASSIGNMENT

Under the supervision of the 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'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 presentations (internal/external),
- Comply with the regulations and standards in terms of quality and security.

YOUR PROFILE

Candidates must have a PhD in biology/biotechnology/genetics. A solid background in cell and molecular biology, interest in basic and translational research of genetic diseases, a good publication record (at least one first author high-quality peer-reviewed publication), excellent references and excellent English knowledge are essential. Maximum 3 years of post-doctoral experience.

Required skills: Enthusiasm, creativity, team spirit, autonomy, critical spirit, organisation, rigor

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, under the **2018-IPD-003** 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: 15th September 2018