

## CENTRE de RECHERCHE en MYOLOGIE

### RESEARCH ASSOCIATE AND ENGINEER POSITIONS (INGENIEUR DE RECHERCHE ET D'ETUDE) TO TEST A GENE THERAPY FOR ALS/FTD

**A research associate** (ingénieur de recherche) and **an engineer** (ingénieur d'étude) positions are available in the [BOND group](#), at the Center of Research in Myology, Sorbonne University, INSERM U974, Institute of Myology (Pitié-Salpêtrière hospital, Paris).

Amyotrophic Lateral Sclerosis (ALS) is a neurodegenerative disorder characterized by the progressive loss of motor neurons and voluntary muscle function and with no effective cure to date. Our laboratory is specialized in biotherapies for motor neuron disorders and demonstrated the effect of a gene therapy vector and an exon skipping strategy to reduce the production of toxic SOD1 in a murine model of the disease (Biferi et al., Mol Ther, 2017).

We are currently characterizing a novel AAV-based therapy for the most common genetic form of ALS caused by hexanucleotide repeats expansion in the C9orf72 gene. In collaboration with an industrial partner, the following positions will be available to study the therapeutic effects of our treatment in experimental models using lentiviral and adeno-associated viral vectors.

Candidates will be selected according to the following criteria:

Engineer: Master 2 and at least 3-year experience in a research laboratory;

Research Associate: PhD in Biology with 3-year experience in a research laboratory;

Strong experiences in cell biology, molecular biology and gene transfer using lentiviral vectors. Expertise in induced pluripotent stem cell (iPSC) manipulation is required. Background in pathophysiology of nucleotide repeat expansion diseases and genome instability will be an advantage.

To complete the project successfully, we are looking for highly motivated scientists with strong scientific background in biomedical sciences, good ability to work in a collaborative environment, knowledge of English and good communication skills. The candidates should be able to work independently, under the supervision of a researcher.

The Myology Research Center offers a unique environment for research and development of innovative therapies for neuromuscular diseases. Candidates will therefore have the opportunity to work in a stimulating and enriching context.

The positions are to be filled immediately and the salaries will be established based on the candidate's experience.

The duration of the contracts is 24 months.

Candidates can send their CV, cover letter and contact information of two references to the following email addresses:

[p.smeriglio@institut-myologie.org](mailto:p.smeriglio@institut-myologie.org) and [m.cappella@institut-myologie.org](mailto:m.cappella@institut-myologie.org)