Postdoctoral Position in Gene Therapy, Molecular Biology and Translational Research

Starting date: January 2027

The Neuromuscular System Biology team is a recognized research group dedicated to therapeutic innovation for neuromuscular diseases.

As part of the REDyT research project, we are recruiting a postdoctoral researcher to contribute to the development and evaluation of innovative therapeutic strategies for centronuclear myopathies.

The project follows a translational research approach, combining molecular biology, cell biology and the analysis of experimental models to investigate the efficacy and biological effects of novel therapeutic approaches.

We are primarily looking for an independent, versatile and highly motivated researcher who can conduct experiments autonomously while actively contributing to the scientific development of the project.

Main Responsibilities

The successful candidate will actively contribute to the scientific development of the project, from experimental design to data analysis and dissemination of results.

Under the supervision of the project's scientific coordinator, the postdoctoral researcher will:

- Contribute to the design and optimization of experimental strategies.
- Define appropriate experimental controls and criteria for evaluating the efficacy of the strategies under investigation.
- Perform molecular cloning experiments and characterize molecular constructs.
- Contribute to the preparation and analysis of biological samples, particularly muscle samples.
- Develop and perform functional assays tailored to the scientific objectives of the project.
- Analyze and interpret experimental results and present findings regularly at research meetings.
- Contribute to the preparation of scientific publications and conference presentations.
- Provide technical and scientific support in the supervision of students.

Required Skills

- Strong experimental background in molecular and cell biology.
- Experience in gene therapy, genome editing or the development of gene expression modulation strategies would be particularly valued.
- Ability to design experiments, identify appropriate controls and interpret experimental results.
- Knowledge of statistical analysis and biological data processing.
- Strong scientific and experimental independence, rigor, organizational skills, versatility and the ability to quickly learn new techniques.
- Critical thinking, problem-solving skills, ability to prioritize tasks and work collaboratively in a multidisciplinary environment.
- Good written and oral scientific communication skills and proficiency in scientific English.

Candidate Profile

PhD in molecular biology, cell biology, genetics, biotechnology or a related field.

Research experience in genetic diseases, neuromuscular disorders or innovative therapeutic approaches would be an advantage.

Host Institution

Inserm U955 – IMRB, Relaix Team, Group 4, at the École nationale vétérinaire d'Alfort (Alfort National Veterinary School), France.

Contract: 2-year fixed-term contract.

Salary: depends on qualifications and years of experience, determined according to French public-sector salary scales.

How to Apply

Please send a CV and a cover letter to Dr. Isabel Punzon: **isabel.punzon@vet-alfort.fr**