

Open positions for Postdoctoral and Research Fellow

Gene Therapy & Genome Editing

We are currently seeking highly motivated and talented postdocs and senior technicians to join our group working on the use of CRISPR and viral vectors to develop novel gene therapy technologies and strategies to treat genetic diseases. If you like responsibilities and want to take part of this wonderful adventure with a team built with deep expertise in gene therapy development, do not hesitate to contact me! (mamendola@genethon.fr)

Description

Our laboratory focuses on developing effective and safe genome editing and gene therapy strategies for the treatment of human diseases. We follow three main complementary axes:

1. development of novel CRISPR/Cas9 tools (nickase, prime editing, etc...) and novel delivery system for CRISPR/Cas9 and donor DNA (AAV, LV, etc...);
2. assessing genome editing outcomes & genotoxicity using (LRS, Guide-seq, imaging, etc...)
3. development of novel treatment for genetic diseases (hemoglobinopathies, lysosomal storage disorders, muscular dystrophies)

The team is part of the UMR_951, sponsored by Genethon, Inserm and Univ. of Evry Val d'Essone (Paris Saclay) (<https://integrare-umrs951.jimdo.com/home/labs/genome-editing/>).

Host institute

Genethon Institute is a non-profit biotherapy R&D organization dedicated to the development of gene therapy products for rare human genetic diseases (www.genethon.com). Genethon hosts several laboratories exploiting gene-based technologies to investigate biological systems and pathologies of genetic origin and to design gene therapy treatments mainly for: i) blood and immune disorders, ii) neuromuscular disorders, iii) liver and metabolic disorders.

Genethon offers several high quality core facilities and infrastructure including:

- in vitro and in vivo therapeutic testing platform: a functional evaluation platform (including - ultrasound testing), an imaging-cytometry platform (confocal, macro confocal and biophotonic microscopy, imaging flow cytometry), a viral vector research facility (for LV, RV and AAV), tools and experience in molecular and physiopathological examination of isolated living cells; a histology department
- the largest DNA and cell bank in Europe for human genetic disorders

The Genethon Institute is located in the Genopole Campus, a France's leading biocluster located in Evry, France.

Genethon is an equal opportunity employer and supports gender equality.

Requirements

First and foremost, the desire to make an impact in the field of Gene Therapy in a friendly, enthusiastic, dedicated and collaborative manner.

Candidates should be able to work independently and interactively in a team setting, be responsible, organized and have a great work capacity and enthusiasm for research and smiling and positive attitude.

Contact address

If your profile matches the description, please send:

- motivation letter
- CV
- contact details of two referees
- ideal starting date

Documents should be sent as a **single pdf file** by email to **mamendola@genethon.fr**

If you are strongly interested in this position but do not meet one or more criteria, please address in your cover letter in which aspects your skill set deviates from the outlined profile. For further information, please directly contact mamendola@genethon.fr