

Paris Brain Institute (ICM), looks for a
Post-doctoral
As soon as possible
Contract of 1 year renewable
In Paris 13^{ème}

POST: POST-DOCTORAL

DATE: AS SOON AS POSSIBLE

TYPE OF CONTRACT: 1 YEAR RENEWABLE

TEAM CARTIER

SALARY: ACCORDING TO EXPERIENCE (BETWEEN 49000 AND 56000€ BRUT / YEAR)

The Paris Brain Institute is a private foundation whose purpose is fundamental and clinical research on the nervous system. On the same site, 650 researchers, engineers and physicians cover all the disciplines of neurology, with the aim of accelerating discoveries on the functioning of the brain and the development of treatments for diseases such as: Alzheimer's, Parkinson's, multiple sclerosis, epilepsy, depression, paraplegia, tetraplegia, etc.

POST

MAIN GOALS :

We are looking for a candidate for Post-Doctoral position with demonstrable skills in hematopoiesis, gene therapy and/or gene editing willing to apply its knowledge to the field of neurosciences.

Our team NeuroGenCell is based at ICM (Brain institute, Paris), a multi-disciplinary research center that try to cover all kind of neural sciences, which make it the perfect place to collaborate and exchange knowledge.

We work on the development of new CNS gene therapy approaches to address different neurodegenerative diseases such as demyelinating diseases (multiple sclerosis, leukodystrophies), Alzheimer's disease, ALS or Parkinson's disease. The team is composed by a mix of scientists, physicians, engineers and students. Thus, all the lines of research have a translational point of view.

The mission of our candidate will be the evaluation of the effect of a gene therapy treatment on a spinal cord demyelination mouse model. In this project, the candidate will work with hematopoietic stem cells transduced by viral vectors for its later engraftment. Then a lesion in the spinal cord of the engrafted mice is induced by an injection of demyelinating product. Therefore, is mandatory for the candidate to own the appropriate **animal experimentation certificate to work in rodent's surgery**. Experience in some techniques such as **intraperitoneal, retro-orbital** injections, blood sampling, will be welcome. Moreover, experience in **immunofluorescence, cell culture** and **molecular biology** techniques would be take into account.

We are looking for a motivated candidate willing to lead the project, capable of taking decisions, dynamic, decisive, communicative and with organizational skills.

PROFILE

EXPERTISE

- *Experience working with mice: i.p. and retro-orbital injection, euthanasia, dissection, etc.*
- *Experience in histology analysis (microtome sectioning, immunohistochemistry, and software analysis).*
- *Experience in fluorescence microscopy, cell culture and molecular biology techniques.*

KNOWLEDGE

- *PhD in the field of hematopoiesis, gene therapy or gene editing.*
- *Knowledge of neurosciences field would be considered.*
- *European animal experimentation certificate.*

PERSONAL SKILLS

- *Motivation*
- *Teamwork*
- *Independent*
- *Critical thinking*

CV and motivation letter send to: sergio.lopez@icm-institute.org , nathalie.cartier@icm-institute.org and clara.barthelemy@icm-institute.org