



## PhD Student Position in Preclinical Imaging (PET & MRI), Paris

### Fibrosis imaging in a model of genetic cardiomyopathy

We are seeking for a highly motivated PhD student to join our research team in the field of cardiac imaging with a focus on positron emission tomography (PET) and magnetic resonance imaging (MRI).

This position, starting in September 2025, is funded by the “Association Monégasque contre les Myopathies” and aims at developing new imaging approaches to identify with imaging the early stages of cardiac fibrosis in a rat model of genetic cardiomyopathy paving the way for the evaluation of new treatments.

#### Key Responsibilities:

- Conduct in vivo cardiac imaging using micro-PET and MRI scanners including optimization of acquisition protocols and image analysis.
- Perform and analyze autoradiographies, histology and immunohistochemistry.
- Contribute to the design of experiments, analysis of results and writing of abstracts and manuscripts.
- Collaborate in a multi-disciplinary research environment and interact with experts in imaging and biology.

#### Required Qualifications:

- Master's degree in Biology, Pharmacy or Bioimaging.
- Willingness to carry out preclinical experiments
- Knowledge and previous experience with preclinical imaging is advantageous
- Strong interest in cardiac imaging
- Motivation and ability to work in a multi-disciplinary environment
- Fluent in English

#### Training and Support:

- Access to state-of-the art preclinical imaging facilities and training will be provided by experts in the field of imaging and radiopharmaceutical science.
- Training in MRI and PET acquisitions
- FELASA certification in laboratory animal science can be acquired as part of the PhD
- Training in handling radioactive material and radiation will be provided.

#### Position Details:

- Duration: three years
- Salary: 2100 €/ month according to Inserm guidelines
- The research will be conducted at the PARCC Research Centre in Paris.
- Education: the position will be part of the PhD program of the Doctoral School MTCI of University Paris-Cité

#### How to Apply:

Interested candidate should submit their CV, a cover letter and references as soon as possible to [fabien.hyafil@inserm.fr](mailto:fabien.hyafil@inserm.fr)

Please highlight your relevant experience and motivation and why you are interested in this position.