

## Research Engineer in Machine Learning: Development of models predictive of the clinical evolution of brain diseases



**Company** QYNAPSE is a fast growing company that provides a cloud-based platform for the diagnosis, prediction of clinical evolution and measurement of drug efficacy of central nervous system diseases (such as dementia, Parkinson's and multiple sclerosis).

We help pharmaceutical companies and clinicians to target clinical trials and therapies and personalize patient care, by combining leading-edge quantitative imaging and artificial intelligence with unmatched clinical expertise.

The company was laureate of the worldwide innovation challenge, the concours d'innovation numérique and the innovation challenge i-LAB. It is headquartered in Paris, France.

**Missions and functions** We seek a research engineer to develop and integrate data mining and machine-learning algorithms based on multimodal MRI data to model the clinical evolution of central nervous system diseases.

As a member of the data science team, you are in charge of:

- Following and managing collaborative and client projects
- Developing and validating decision support tools
- Integrating tools in a software solution
- Gathering a scientific review on technologies in data analytics and their biomedical applications
- Promoting scientific results (scientific publications and communications in international meetings and papers)
- Actively participating to project set-up and networking

The position includes close interactions with our clinical partners and internal clinical and R&D teams.

**Profile**

- PhD in Mathematics / Mathematics applied to biomedical / Master in data science
- Dynamism, autonomy, curiosity
- Strong communication ability and team working
- Experienced programmer

**Skills**

- Required
  - Data mining and Machine Learning
  - Imaging process
  - Language : Python
  - Environment : Unix/Windows
  - Fluent in English and French
- Optional
  - Git

**Contract and remuneration**

- Start : March 2018
- Permanent contract
- Remuneration based on skills and experience

**Location**

- Paris, 15th

**Application** Apply by mail to [careers@qynapse.com](mailto:careers@qynapse.com), by sending a CV or LinkedIn profile. Please do not hesitate to complete your application with personal achievements or other additional relevant documents or references.