

Biostatistician / Data scientist to develop predictive models for the evolution of central nervous system diseases



Company	<p>QYNAPSE is a medical technology company that unlocks the potential of quantitative imaging and AI to optimize diagnosis, prognosis and longitudinal monitoring of patients for Alzheimer's, Parkinson's, multiple sclerosis and other neurological diseases. Our mission is to transform how:</p> <ul style="list-style-type: none"> • patients are screened • therapy efficacy is assessed • health services are personalized <p>We continuously collaborate with eminent clinics and hospitals worldwide to develop comprehensive, technology-based solutions that cover the entire therapy lifespan – from earlier patient selection to long term monitoring of results.</p>
Job responsibilities & Tasks	<p>We are looking for a Biostatistician (or a Data Scientist with a strong background in biostatistics) to support the development and validation of new biomarkers and companion diagnostics in the field of central nervous system diseases.</p> <p>As a member of the Data Science team, your missions will be the following:</p> <ul style="list-style-type: none"> • Definition of the clients' needs in collaboration with the product team and our clinical partners • Analysis of various medical datasets, most often consisting of heterogeneous data sources (clinical, demographic, imaging...) • Conception of predictive algorithms for the clinical evolution of the patient • Software development and integration • Participation in the design and analysis of clinical studies and statistical analysis plans in collaboration with the clinical team, clinical partners, pharmaceutical companies and regulators • Medical devices statistical and regulatory validation • Technical and scientific watch • Promotion of scientific results (publications, patents...) <p>This position will include close interactions with the imaging, product and clinical research teams at Qynapse, as well as our clinical partners.</p>
Profile	<ul style="list-style-type: none"> • Engineering degree, Master or PhD in mathematics, statistics or data science • At least 3 years of experience in statistics or machine learning applied to healthcare • Good programming skills and development practices • Dynamic, autonomous, analytical • Very good communication skills
Skills	<ul style="list-style-type: none"> • Required <ul style="list-style-type: none"> ○ Statistics applied to healthcare (uni/multivariate analysis, statistical tests, sample size calculation, survival analysis, ...) ○ Experience in design, analysis and evaluation of clinical studies ○ Knowledge of machine learning algorithms and methodologies (supervised / unsupervised learning, evaluation and validation, feature engineering...) ○ Proficiency in python and/or R ○ Good knowledge of data manipulation and visualization tools ○ Efficiency in reviewing and implementing solutions from scientific literature ○ Fluency in English • Beneficial <ul style="list-style-type: none"> ○ Object-oriented programming ○ Version-control systems (e.g. Git)
Contract and remuneration	<ul style="list-style-type: none"> • Full-time position starting as soon as possible • Remuneration depending on experience
Location	<p>Paris</p>
Application	<p>Apply by email at careers@qynapse.com, by attaching a resume or a LinkedIn profile. Please feel free to attach other documents that could support your application.</p>