

Biomedical Data Scientist Internship-6 months (M/F) Lille, France (ref: DSCR01)

ImaBiotech is a contract research organization that provides support to pharmaceutical companies in the development of new therapies in a variety of therapeutic areas. Our ImaLink™ platform promises substantial improvements to the accuracy of measurement of drug efficacy in diseases like cancer and leverages modern approaches in machine learning to provide next generation of predictive models for targeted therapies.

Job Description:

We're looking for a biomedical data science intern to join our team and help us achieve our translational research goals. You will work alongside leading innovators in the field of deep learning and biology, and play a critical role in algorithm development.

Responsibilities:

- Implement a multi-modalities workflow using OMICS data (genomics, proteomics, transcriptomics, and metabolomics), clinical data (trial outcomes, pathology images, EHR...) and unstructured text data (publications, patent...) to discover biomarkers, predict patient treatment and allow patient stratification.
- Developing supervised/unsupervised algorithms that enable to quantify novel cell phenotypic features.
- Innovating on our methods with respect to model performance, translational relevance, rigor, and robustness.
- Applying statistical tools to powers retrospective biomarker discovery in clinical trials and prospective evaluation of models.
- Participating in scientific discovery to develop publications which reveal novel disease biology.

Qualification and Skills:

- Intellectual curiosity and the ability to learn quickly in a complex space.
- Pursuing master's degree in computational biology or related field, preferably with a focus on machine & statistical learning, and/or biostatistics.
- Experience using Python and R.
- Fluent in English

For inquires or resume submission, please contact the following:

- Email: recrutement@imabiotech.com
- Job offer reference: DSCR01