



DATA ENGINEER/DEVELOPER

Full time employee position

We are looking for an ambitious individual, who really wants to have an impact: on a start-up, on its teams, on a novel science generating massive and complex sets of data, and who likes team-playing with a flagship project in the field of life sciences. Come and join the One Biosciences team to take up new challenges, originate precision therapies and have an impact on the lives of people suffering from difficult-to-treat diseases.

The Company: One Biosciences is a start up in the field of life sciences, that aims to become a leader in precision therapies for difficult-to-treat diseases, leveraging the power of single-cell technologies. The Company is an integrated 'discovery engine' composed of multidisciplinary teams, gathering data scientists, clinicians and biologists. The teams will focus on understanding the causes of selected diseases by grasping the heterogeneity of complex biological systems, revealing rare cell populations, and enabling the cellular mapping of such diseases. One Biosciences aims to discover transcriptomic biomarkers and new actionable targets.

The Company was co-founded by Dr. Céline Vallot, Head of the Dynamics of Epigenetic Plasticity Team at Institut Curie. Dr. Vallot is an expert in multi-omics data analysis and epigenetic regulation. Her lab investigates epigenetic mechanisms in breast cancer combining cancer biology with single-cell technologies and data science. Dr. Vallot has co-founded the single-cell facility of Institut Curie and is the author of multiple scientific publications using single-cell technologies combined with data science algorithms to elucidate biological mechanisms in development and cancer.

One Biosciences was granted a worldwide license on key technologies and know-how from Institut Curie, CNRS and Sorbonne Université, in addition to an exclusive license on dedicated single-cell computational softwares, in order to generate unique insights with cutting edge single-cell approaches.

The Company is managed by Home Biosciences' team which leads and oversees its operations. Home Biosciences is Europe's first biotech venture builder, aims to identify and accelerate the development of transformative technologies and treatments addressing unmet medical needs, by leveraging strong operational guidance and drug development expertise, as well as funding resources under one roof. One Biosciences is its first venture.

Magali Richard, co-founder of Home Biosciences, will act as CEO of One Biosciences during the first year of operations, managing an agile project team of data scientists, in close collaboration with the teams at Institut Curie.

In the coming months, One Biosciences will be focusing first on setting up a small team with required computational and data science skills. **Computational analyses are at the core of the discovery engine, essential to generate biological insights from massive and complex sets of data generated by single-cell and sequencing technologies.**

Co-founded by Institut Curie and Home Biosciences, One Biosciences will work in close collaboration with its scientific co-founder Dr Céline Vallot. It is a unique opportunity to work on a cutting edge technology, with world-class partners, in a fun, stable and stimulating environment.



Package will be competitive and will depend on experience and seniority and will include bonus and equity

Missions:

At One Biosciences, as data engineer/ developer, you will be in charge of creating and maintaining data preparation, you will be contributing to the development of an application RShiny to support tech analysis and visualization of single RNA seq data in collaboration with data analysts, and you will be responsible of deploying the App to AWS.

Your primary responsibilities will be:

- Data management
- Deployment of a RShiny app to AWS
- Monitoring and continuous performance improvement
- Participate in the development of a platform for genomics-based target discovery

You will join a dynamic and growing team of scientists using cutting edge genomics techniques and single-cell sequencing for the discovery of new targets. You will work very closely with a data analyst and a free-lance focused on the RShiny application development.

You will work under the supervision of the founders of the start up, benefiting from a training on single cell RNA seq data analysis and already developed tools / scripts, by the scientific co-founder.

Required skills:

Technical expertise:

- Proficiency with **Bash & Python**
- Proficiency with cloud computing - AWS/Azure
- Data visualization – **R Shiny, R**

Other:

- Rigor
- Autonomy
- Ability to collaborate and work within a multi disciplinary team including individuals without data science knowledge (e.g. biologists or physicians)
- Project management: ability to communicate proactively on training and guidance needs, to identify possible roadblocks and alert management with solution driven mindset, to share regularly progress and successes, to listen and act on feedbacks

Expected training / experience:

- Master 2 or equivalent
- Candidates from engineering schools such as ENSMP, Ecole Centrale, EPITA, UTC, INSA Toulouse or other equivalent cursus are encouraged to apply

Contact:

Magali RICHARD (CEO of One Biosciences)
contact@onebiosciences.fr