



Research assistant / engineer in molecular biology

Full time employee position

One Biosciences is seeking for an engineer with a strong experience in molecular biology. She/He will perform cutting-edge single-cell transcriptomics and epigenomics experiments and human samples processing for omics analyses. She/He will also contribute to the development of new experimental approaches for single-cell profiling.

Compensation package

Competitive and will depend on experience and seniority. Total package includes fixed salary, bonus and equity incentives.

Location

Paris intra-muros.

The opportunity

One Biosciences is a start-up leveraging the power of single-cell technologies and AI to discover precision therapies for difficult-to-treat diseases.

The team gathers molecular biologists, disease area experts, computational biologists, data engineers and developers. Altogether, we focus on understanding the causes of selected diseases by grasping the heterogeneity of complex biological systems, enabling cellular and molecular mapping of such diseases, **to discover biomarkers and new actionable therapeutic 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, is the author of multiple scientific publications using single-cell technologies combined with data science algorithms to elucidate biological mechanisms in development and cancer. Most recently, she was awarded the CNRS Innovation medal.

As of Q4 2022, One Biosciences is setting up its own molecular biology lab to generate 'multi-omics' single-cell data in multiple diseases area and continue to develop and optimize molecular biology pipelines for single-cell data generation.

We are seeking for an experienced molecular biology engineer / research assistant to set-up and validate standard and proprietary single-cell experimental pipelines, and process samples gathered as part of ongoing discovery programs. The data sets she/he will generate will be a cornerstone for the entire team to discover new biomarkers and targets.

In the near future he/she will also be expected to contribute to further developing new experimental approaches to continuously improve One Biosciences' multi-omics pipeline.

He/she will work under the direct supervision of our Lead Discovery Programs with the technical guidance from Dr Vallot and a trained senior research engineer.

Your missions

- Carry out and ensure the completion of single cell omics data generation pipelines from tissues samples in a standardized fashion for each discovery program, with a well defined quality control criteria;
- Ensure the timely advancement of priority projects by meeting key deadlines;
- Contribute to the development and validation of new experimental multi-omics data generation pipelines to address potential technical challenges linked to biological samples and nature of omics information requested, working closely with the Data and Program Discovery teams;
- Actively contribute to proposals for verification and validation, optimization and troubleshooting;
- Report results autonomously and clearly;
- Contribute to improving, writing, and maintaining updated molecular biology lab protocols.

Education level

- Masters in Molecular Biology, Biotechnology or related disciplines ;
- At least two-years of proven experience in Molecular Biology.

Must-have experience and skills

- Molecular biology: qPCR, library preparation for NGS, bioanalyzer or TAPE station, DNA and RNA extraction, PCR, gels;
- Experience in single-cell experiments (10X for example);
- Cloning & Sanger sequence analysis.

Non technical skills

- Good level in English (reading, writing and speaking);
- Excellent communications and team working skills;
- High standards of integrity, accuracy and attention to details;
- Adaptable, organized, rigorous and results-oriented.
- Strong team spirit, taking initiatives to help out others when needed.
- Motivated by ambitious objectives and willing to bring significant contributions to science and medicine;
- Computer skills: common office (Word, Excel...) and proficiency in laboratory softwares (Graphpad, Serial cloner or equivalent)

Other experience that would be a plus:

- Experience in using microfluidics technologies & equipment
- Robot dispensers (EpiMotion, Mosquito, ...)

Contact:

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