



## Target discovery scientist

### Full time employee position

We are looking for a talented scientist, who wants to join a dynamic team and an ambitious project, to unravel new disease mechanisms and identify a new wave of biomarkers and therapies in the field of oncology. Generating and analysing massive and complex sets of single cell omics data, One Biosciences' team is seeking for a new member who will translate complex single cell data sets into biological insights and new solutions for the patients.

**Compensation package will be competitive.** It will depend on experience and seniority and will include fixed salary, bonus and equity

**Location:** the Company is located in Paris, France.

**The Company:** One Biosciences is a biotech start-up leveraging the power of single-cell technologies to discover precision therapies for difficult-to-treat diseases. Generating high quality single-cell omics data sets and translating them into actionable clinical care decisions and disease relevant therapeutic targets, One Biosciences aims to become a European leader in precision medicine.

The team gathers computational biologists, data engineers, developers, disease area experts and molecular biologists. 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 transcriptomic 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 and has been awarded multiple times for her work.

In the coming months, One Biosciences is going to process an increasing number of clinical samples across various pathologies and to leverage proprietary computational pipelines and solutions for agile and efficient data mining. **We are seeking an innovative, collaborative scientist to conduct single-cell omics data mining and interpretation, with specific focus on oncology data sets.**

### At One Biosciences, as a target discovery scientist, your missions will be:

- to generate clear impact by distilling the complexity of single cell omics data into a biological interpretation, advancing towards identification of novel targets or biomarkers in multiple oncology programs
- to strongly input the development of innovative single-cell analysis workflows and pipelines to drive target discovery process



**Your key responsibilities will encompass:**

- Define, in collaboration with the Data team, the required analytical approach to address the biological and clinical questions raised;
- Conduct data analysis and interpretation work, hand to hand with data scientists, to translate complex single cell data sets into actionable biological insights;
- Drive multi-disciplinary working sessions around single-cell analyses to progress on biological and clinical interpretation towards new biomarkers or therapeutics targets candidates;
- Facilitate interpretation and translation of the results (typically through list of characterized / assessed biomarkers and therapeutic targets) including druggability criteria and drug candidate development opportunity;
- Contribute to the design and execution of subsequent biomarkers / targets validation studies;
- Actively contribute to the continuous improvement of One Biosciences discovery engine, through enrichment with new analysis and interpretation pipelines, working closely with the entire Data team.

On a day-to-day basis, you will work closely with our Lead Program Manager and contribute to the execution across internal and external stakeholders in the discovery projects you are involved in. This will cover activities from the program design, the collect of the human tissues, the data generation and data processing workflows, the data analysis and interpretation.

**Education:**

PhD in biology, molecular biology, genetics, oncology

**Required experience and skills:**

- Transcriptomics (bulk or single-cell) data mining – track record / publications
- Knowledge of genetics and pathway biology to understand and tackle scientific questions related to disease understanding
- Specific expertise in oncology pathways
- Experienced in using omics data bases

Plus:

- (single cell) omics technologies
- Familiar with bioinformatic/statistical tools to explore and interpret complex datasets (computational skills are not required for this position)

**Other desired skill:**

- Strong written and verbal skills; ability to translate and communicate complex information and concepts for scientists of a diverse set of backgrounds
- Independent, self-motivated and with an innovation attitude.
- Strong interpersonal skills and ability to work productively in a highly dynamic environment.
- Good planning, prioritization, problem solving, and organizational skills.

**Contact:**

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