



## HEAD OF SINGLE CELL RESEARCH

### Full-time position:

We are looking for a head of single cell research with a strong experience in the in-depth analysis of single cell datasets. We offer the opportunity to be a key actor of a cutting-edge scientific project to advance medical science.

### Our Company:

One Biosciences is a start-up that utilizes single cell technologies and gathers a multidisciplinary team of data analysts, clinicians, and biologists to gain insights into complex diseases, such as cancer. The company's goal is to discover new actionable therapeutic targets to develop new drugs. The company was co-founded by Dr. Céline Vallot, expert in single cell biology, Head of the Dynamics of Epigenetic Plasticity Team at Institut Curie and scientific advisor to the company. One Biosciences is currently scaling up, now processing large quantity of clinical samples on various diseases, developing ad hoc computational tools, as a core of its work. For instance, we released one of our algorithms (MAYA, <https://github.com/One-Biosciences/MAYA>), which was published in a high profile peer-reviewed journal, Nature Communications (IF=17) in 2023 (<https://doi.org/10.1101/2022.07.19.500633>). The company is supported and funded by Home Biosciences, a venture builder, itself financed by tier one funds. One Biosciences targets an ambitious series A in 2024.

### Our scientific environment:

One Biosciences has developed a unique technology combining dedicated experimental approaches and data analytics to bring single cell sequencing closer to patients and unravel novel biological mechanisms and relevant therapeutic target candidates. The ONE team already combines strong expertise in computational biology, data engineering, machine learning, and statistical analysis.

### Missions:

At One Biosciences, you will lead the technological powerhouse of single cell sequencing.

Your primary responsibilities will be:

- Be responsible of the analysis of single cell datasets at One Biosciences, ensuring the identification of lists of candidate targets through modeling of our single cell datasets
- Manage a team of PhDs with computational and/or biology expertise
- Sustain a competitive edge for One Biosciences in terms of single cell sequencing and analysis
- Manage projects across different teams at One Biosciences, in collaboration with the Data Science team lead and Translational Science team lead: from quality control of raw single cell data to actionable insights for the target discovery.
- Bring experience, feedback to help the team members overcome obstacles
- Be part of the management team to lead the company
- Interact constructively with our advisors, in particular Céline Vallot and Institut Curie
- Report regularly to the board of directors
- Manage a network of partners and providers
- Communicate with investors and pharma
- Promote the company in scientific congresses and through publications and other means of communication

**Management:**

You will manage a team of experienced and talented biologists and data scientists with PhDs and / or engineering degrees. You will report to the CEO of the company.

**Expected experience:**

- In-depth experience for the analysis of several innovative single cell projects, providing biological insights on human disease through a complete suite of analytical approaches
- Published significant papers in the single cell field

**Skills we value:****Technical:**

- Proficiency in computational biology for the analysis and interpretation of single cell datasets – from raw data to the modeling of transcriptional programs, gene-gene regulatory networks or cell-cell communications
- Creation of single cell analytical tools
- Proficiency in R/Python and computing clusters or cloud services

**Other:**

- Strategic thinking
- Public communication skills (face to face meetings, on-stage for congresses)
- Ability to collaborate and work within a multi-disciplinary team including individuals without data science knowledge (e.g. biologists and physicians)
- Project management: ability to organize the prioritization and scheduling of the different projects, communicate proactively on training and guidance needs, to identify possible roadblocks and alert management with a solution-driven mindset, to share regularly progress and successes, to listen and act on feedbacks
- Management skills
- Fluent in english

**Nice to have:**

- French speaking
- Experience in cancer single cell biology
- Some wet-lab experience in molecular biology and single cell data generation expertise would be a plus, not mandatory
- Understanding the patent landscape in genomics and the ability to protect the company's intellectual property.

**Recruitment process:**

- Interview with CEO and COO
- Interview with scientific founder
- Interview with the chairman of the board

**The package will be competitive and will depend on** experience and seniority and include a variable bonus based on concerted objectives completion.

**Contact:**

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