

TEAM LEADER DATA

Full time employee position

Location: Paris (offices in Agoranov, 75006)

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 to provide more effective treatments to the patients. Stemed from Institut Curie, the Company is an integrated 'discovery engine', covering all activities from the generation of the data until their analysis and interpretation. The multidisciplinary teams made of data scientists, clinicians, biologists, focus on understanding the causes of diseases by grasping the heterogeneity of complex biological systems to discover biomarkers and new therapeutic solutions.

One Biosciences was co-founded by Dr. Céline Vallot heading the Dynamics of Epigenetic Plasticity Team at Institut Curie, leading expert in single-cell technologies and omics data analyses. One Biosciences is co-founded and financially backed by Home Biosciences, whose team provides corporate guidance and support. Magali Richard, co-founder of Home Biosciences, acts as CEO of the Company.

The Context: With a small talented team made of three data scientists, under the scientific guidance of Dr Vallot, One Biosciences has already developed an initial set of proprietary tools, data engineering and analysis pipelines, deployed on a secured cloud infrastructure. Those tools and pipelines constitute the core of our discovery engine, essential to derive biological insights from the vast amount of complex data generated by those single cell technologies.

In the coming years we will take this core engine to the next level to further develop our ability to efficiently extract valuable insights from single-cell omics data sets and to ensure the roll out of those solutions in a production mode, with the required performance, access control and security level, as well as scalability in the context of multiple projects. To do so, we will grow our Data team as of Q4 2021.

As part of this evolution, The Team Leader Data will play a central role as a senior manager to working closely with the co-founders on the structuration of the Data team, providing solid technical expertise, leading and growing the team in the upcoming essential development steps.

Objectives and Missions

As Team Leader Data, you will be responsible for the enhancement and ongoing maintenance of our data pipelines and applications, writing new pipelines to capture new data and deploying models created by our Data Scientists and Machine Learning Engineers, ensuring smooth implementation process. You will also craft a comprehensive Data roadmap well articulated with corporate objectives and projects, and manage its implementation,.

More specifically, your missions include:

1. **The structuration of the overall Data team** – including:
 - Defining and implementing appropriate tools and methodology (e.g. lean, agile) as the team and the volume of projects will grow
 - Fostering the close collaboration within the team – incl. the implementation of processes or ways of working to ensure the smooth transition from Research projects to production mode
2. **The management of the Data roadmap and projects across the teams** – including:
 - Crafting Data operational roadmaps aligned with corporate objectives and clinical projects
 - Steering their execution in line with objectives & timelines
 - Preparing regular updates to support decisions, anticipating risks or challenges to overcome and proposing solutions or troubleshooting plans

3. **The steering of the Data Engineering activities, providing guidance and technical expertise** – initial key areas of expertise should include:
 - Cloud solutions (AWS)
 - Security
 - Computational infrastructure
 - Data ingestion and storage
 - Containerization
 - Data pipelines, Datawarehouse/Datalake architecture and reporting systems
4. **The execution of some Data engineering tasks** (at least in the initial set up) – could include typically active role in designing, coding and testing solutions

Preferred experience and profile

We are looking for a data engineer or data architect with 5+ years of full time professional experience including a past experience in mentoring Data scientists and/or managing a team. Candidates are expected to have:

- Appetite to work in rich technical multidisciplinary teams where the integration of varied stakeholders is a key success driver – data scientists (incl. data engineers, developers, data analysts, Cloud computing, AI specialists), Biologists and Clinicians
- Knowledge, experience and/or strong interest in Life Science and health data environment
- A Master 2 or equivalent with scientific major
- Fluent in English

Mandatory Technical skills

- Strong programming skills in Python
- Excellent knowledge of AWS Cloud Services (and/or other Cloud Platforms GCP, Azure, ...), hands on experience developing and implementing Microservices, Restful APIs (Flask Framework), Integration/Middleware technologies
- Experience in data processing and data warehouse/lakehouse solutions
- Experience in Docker, Kubernetes and other containerization engines
- Experience in CI/CD tools (Gitlab)
- Experience with IT compliance and risk management requirements (eg. security, privacy)

Will be considered as a plus:

- Experience in health data regulations and constraints from GDPR
- Software development and skills in front end design

Other mandatory skills

- Rigor and autonomy
- Role model and ability to lead a team by developing individuals and providing appropriate coaching, fostering a motivating work environment
- 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

Salary: competitive package depending on experience and seniority

Contact: Magali RICHARD, CEO - contact@onebiosciences.fr