

## Job description

# Single cell bioinformatics scientist

## Who are we?

BioLizard is a growing consultancy company providing data science solutions for our customers in biotech and pharma. Typically, a lizard adjusts to its surroundings and that is exactly what we do. At BioLizard we adapt to our customers' data environment! The research field is rapidly becoming more data-driven, where we strive towards offering state-of-the-art bioinformatics, statistics and machine learning solutions to help solve our customers' biological questions. Our bioinformaticians are embedded in the working environment of our customers in a full-time or half-time regime, collaborating on challenging projects in life science.

Our bioinformatics scientists are fully integrated into our clients' environments, working either full-time or part-time on challenging life science projects. You will engage in developing solutions for data integration, pipeline implementation, machine learning and data visualisation, specifically focusing on single cell and spatial data analysis. You should be adept at experimental design, and computational omics, with a strong passion for analysing single-cell data to derive valuable scientific insights for our clients. Experience or interest in spatial technologies is also highly desirable, and a profound understanding of immunology would be a significant asset. Additionally, you will serve as a key liaison to our network of academic specialists, ensuring both professional and personal development.

## Keywords

Single cell technologies - Spatial transcriptomics - Analytical mindset - Eager to learn - Independent and team player - Multidisciplinary - Solution-oriented - Positive and open-minded - Customer empathic

## Job responsibilities

Conduct single-cell omics data analysis, refine bioinformatics tools, and tailor pipelines for single-cell studies. Work collaboratively with various team members to plan experiments and manage the integration of complex biological data. Keep up-to-date of emerging single-cell technologies and methodologies, incorporating them into both internal and client-focused projects at a medior to senior level.

## Job requirements

- Ph.D. preferred in a computational or life sciences field. Alternatively, a Master's degree with at least 3 years of equivalent work experience in single cell bioinformatics
- Experience with single cell technologies and proficiency in common processing frameworks (such as Bioconductor, Scanpy, Seurat) is essential. The candidate must be fluent in at least one analysis framework with the flexibility to switch between frameworks based on client requirements.
- Proficient in adapting existing single-cell analysis pipelines (nextflow, snakemake) to incorporate the latest tools and standards in the field.
- Experience in handling single cell multi-omic datasets, bulk-single cell data integration and working with single cell atlases is an advantage

- Knowledge or background in spatial biology from a computational perspective, or motivation for your interest in this field is an advantage
- Familiarity with other 'omics fields such as bulk genomics, transcriptomics, or proteomics is a plus.
- Knowledge or background in analysing omics data sets related to immunology and immuno-oncology is desired
- An understanding of molecular biology and experimental design for single-cell experiments is an advantage.
- Fluent in English, with good communication skills
- Currently living in Belgium, the Netherlands, or France
- Willing to travel or work on-site at the client when the need arises (depending on project)
- Location: preferably Ghent – Belgium, but this is not a must

### Job offer

- A challenging and motivating work environment where like-minded people strive towards top-grade results in a continuously evolving research domain
- A personal growth trajectory focusing on self-development and knowledge expansion
- Guidance together with senior profiles
- An attractive salary package with additional benefits

### Interested? Get in touch!

Please send your CV with a one-page motivation to [contact@lizard.bio](mailto:contact@lizard.bio).  
Find out more information at [www.lizard.bio](http://www.lizard.bio).