

Open Position at Alithea Genomics

Bioinformatician / Data Scientist

About Alithea Genomics

Alithea Genomics is an EPFL spin-off company with headquarters in Lausanne, Switzerland and a laboratory in Frederick, MD, USA, that specializes in providing innovative transcriptomics solutions for discovering new biomarkers and drug development. At the heart of our company's technology is BRB-seq, which utilizes highly multiplexed RNA barcoding to greatly enhance cost-efficiency and throughput during the RNA sequencing sample preparation process. We are committed to commercializing BRB-seq through our dedicated services and kits, while also continuously expanding our range of high-throughput transcriptomics products and applications through ongoing research and development efforts. Our multinational team comprises passionate entrepreneurs, engineers, and scientists dedicated to creating new solutions and driving the growth of the transcriptomics field.

Position

To continue our growth, we are seeking a creative, proactive, and motivated Bioinformatician / Data Scientist. The successful candidate will join our R&D team and help in the development of new tools and applications for transcriptomics analysis essential for the company business and future growth.

Responsibilities

- Develop, optimize, and execute advanced pipelines for pre-processing and analysis of transcriptomics data originating from our in-house multiplexed RNA-seq.
- Contribute to our DRUG-seq computational pipeline by incorporating innovative methods, integrating databases, and applying advanced computational techniques.
- Develop and optimize new methods and pipelines tailored for isoform-specific based on new protocols developed by our R&D team.
- Opportunity to contribute to writing manuscripts for the new methods we are developing.
- Communicate results and findings to team members and assist with interpreting results and generating hypotheses.

Qualifications

- Master's degree or PhD specializing in Bioinformatics, Genomics, Data Science, or related fields.
- Proficiency in programming languages such as R, Python, and Unix shell scripting, with prior experience using bioinformatic tools and databases.
- Strong analytical and problem-solving skills, along with excellent communication and teamwork abilities.
- A must-have experience with short-read sequencing (Illumina, Element), with prior experience with single-cell RNA-seq data analysis highly desirable.
- Expertise with drug screening data or any perturbation-based transcriptomic data is a big plus.
- Experience handling long-read sequencing data, isoform quantification from short-read sequencing, or method development specific to paired end full-length RNA-seq, is a plus.
- Eligibility to work in Switzerland (Swiss work permit or Swiss/EU citizenship).

Benefits

- A collaborative and innovative work environment in a young and dynamic team.
- Opportunities for professional development in a fast-growing company.
- An opportunity to make an impact on improving healthcare by contributing to groundbreaking genomics research and innovative product development.

Location

Biopole, Epalinges, Switzerland.

How to apply

To apply, please send your CV and Cover Letter to acoudray@alitheagenomics.com.

For more information about Alithea Genomics, please visit our website, www.alitheagenomics.com