

Bioinformatics Engineer (M/F) « single-cell RNAseq »

12-month contract (renewable). Starting March 1st 2019 or as soon as possible.

Team of Pierre Milpied « Integrative B cell Immunology », Centre d'Immunologie de Marseille-Luminy.

Job description:

The team of Pierre Milpied studies the maturation and differentiation of lymphocytes in the context of immune responses and cancers through integrative single-cell analyses. **The candidate will be in charge of analyzing single-cell RNAseq datasets from human lymphoma samples.** He/She will work within a team of bioinformaticians with experience in the conception and development of single-cell data analysis pipelines. He/She will run existing pipelines, adapting them for new projects, and will produce analysis reports in agreement with the needs of the projects principal investigators. He/She will be capable of implementing new methods from the literature within existing pipelines.

Required skills :

1. Advanced proficiency in R and PYTHON programming.
2. Advanced proficiency with genomics data analysis softwares (STAR, picard, samtools, DEseq, EdgeR, etc.).
3. Advanced proficiency in written and oral scientific english.
4. Practical understanding of multidimensional data analysis mathematical methods (PCA, t-SNE, machine learning, etc.). Experience with single-cell data will be a plus.
5. Intermediate proficiency in Unix/Linux system administration and Shell scripting.

Profile of the candidate :

1. M.Sc. or equivalent in bioinformatics, computer science or applied mathematics.
2. Demonstrated experience in bioinformatics analysis of genomic or transcriptomic data.
3. Organizational skills. Strong ability to clearly present scientific results
4. Good communication with biology researchers and interest for biological questions.

Salary will depend on the candidate's diplomas and experience (2138 € gross monthly for starting M.Sc. level)

Contact milpied@ciml.univ-mrs.fr with a CV and reference letters.