

# Postdoctoral/Engineer position in Bioinformatics and computational biology

The candidate will integrate a dynamic and stimulating environment at the cancer research center of Lyon (CRCL) in the team of Fabrice Laval, and will work in direct collaboration with bioinformaticians within the team and at the [bioinformatics department](#) to develop her/his own project. The [“reprogramming, stem cells and oncogenesis”](#) team, composed of 12 members, dissects how cellular identity and plasticity are regulated during early development, pluripotent reprogramming and oncogenic transformation.

## Mission:

We are seeking a talented postdoctoral/engineer scientist with background in bioinformatics to explore the cellular trajectories and the molecular mechanisms that regulate reprogramming *in vivo* and *ex vivo* in organoids. The candidate will integrate various datasets including single cell- and bulk-RNA-seq, together with ATAC-seq.

## Skills:

- Experience in omics data analysis (with diploma in bioinformatics or biology).
- Ability to work with R software (CRAN/Bioconductor)
- Ideally familiar with another language like Bash or Python.
- A previous experience in analyzing high-throughput sequencing data will be an asset, as well as knowledge for single cell data analyses.
- Autonomy and ability to drive the project
- Organization and team player
- Excellent communication and writing skills
- Fluency in English



## Contract start date:

Flexible, between spring 2024 and spring 2025.

## Contract duration:

24 months, renewable. The funding is coming from the [Fondation Bettencourt Schueller](#) and its [Impulscience](#) program. Candidates are expected to apply for independent fundings. Assistance will be provided during the application process. Please submit CV, cover letter, concise description of past achievements and academic goals, and contact details for 2-3 referees. Candidates are encouraged to apply as soon as possible.

Contact: [Fabrice.laval@lyon.unicancer.fr](mailto:Fabrice.laval@lyon.unicancer.fr)

## Recent publications of the lab:

Nature Cell Biology 2020, Nature Cell Biology 2022, Trends in Cell Biology 2023, Nature Communications 2023.

