

Context and Project:

A 24-month postdoctoral position is available in the Centre de Recherche en Cancérologie de Lyon, France, in the team TGF-beta et Réponse Immunitaire. As part of a larger consortium led by Dr. Saïdi SOUDJA, the candidate will contribute to a project aimed at decoding the interaction between epithelial cells and T lymphocytes in the gut. Different state-of-the-art technologies will be utilized in this project, including spectral flow cytometry, organoid culture, and single cell transcriptomic analysis, CRISPR/Cas9 as well as metagenomic analysis. This project are rooted in solid observations performed on mice and humans, and strong hypotheses that support our belief in its feasibility.

Candidate qualification:

The applicant must have a Ph.D. or plan to defend his/her thesis within a few months. Currently, we are seeking a creative postdoctoral fellow who is able to work independently. An understanding of bioinformatics would be an advantage. Ideally, you should have experience with in vivo animal models, organoid culture, epigenetics, and flow cytometry. Although the skills listed above are not a requirement, they will be helpful for the project. The requirements for this position are not restrictive, so you should not hesitate to apply if you lack those skills. However, it is essential that the candidate must possess analytical and critical thinking skills, along with rapid learning skills, in order to successfully complete this ambitious and innovative project on time.

The environnement:

The candidate will work in a multidisciplinary environment and most importantly in the best city in France, Lyon, "la capitale des Gaules". Our group has access to a number of facilities and technology platforms at the CRCL (<https://www.crcl.fr/les-plateformes/>). In our research, we utilize cutting-edge technologies (such as single cell analysis, spectral cytometry, organoid culture, and third-generation sequencing). The candidate is expected to take part actively in the development of the project as well as mentor students. Your ideas are more than welcome.

Application:

Applicants should send their applications to Saïdi SOUDJA (saidi.soudja@inserm.fr) by email, along with a CV, a brief description of their research accomplishments, a list of publications, and contact information for two referees. There is flexibility in the starting date of the position.

Keywords : Mucosal Immunology, epigenetic, microbiota, IBD, Epithelial Cells and T cells