

Open position: Research engineer (Ingénieur d'étude de recherche)

“Construction of lymphoid tissue organoids”

Duration: 1 to 2 years, starting date: between October 2026 and January 2027 (full time position)

Under the supervision of Dr. Christopher G. Mueller

Location: Institut de Recherche Saint-Louis, 75010 Paris (team 9, directed by Dr. Karl Balabanian)

Funded by CNRS Innovation.

Introduction: Lymphoid tissue is the site of initiation and regulation of the immune response. In order to more accurately assess the immune response in humans and to increase the predictivity of drugs under preclinical development, the pharmaceutical industry requires human cell-based models as alternatives to animals. To date, recreation of lymphoid tissue mainly relies on cells seeded in high cell-density with microfluidic support. However, these approaches do not precisely mimic a physiological organization of T and B cells and thereby lack a mechanistic response.

Project: We have developed an innovative approach to engineer human lymphoid tissue in vitro, using mesenchymal cell organization and PBMCs. This project now requires consolidation of the method and development of functional assays for quality control and measurement of T/B/stromal cell activity.

Technical/methodological aspects: The project involves human cell culture, flow cytometry and immuno-fluorescence microscopy.

Environment: The institute provides state-of-the-art instrumentation platforms for cell culture, flow cytometry and microscopy. The lab is staffed with 9 principal investigators, 6 research assistants and 9 doctoral candidates studying the molecular and cellular aspects of lymphoid cells with their environment in health and disease. The Institut de Recherche Saint-Louis (<https://irsl.fr/>) is located in the vibrant 10th arrondissement of Paris, close to the train stations Gare de l'Est and Gare de Nord. It hosts research labs in hematology, immunology and oncology with direct links to the clinics.

Required expertise: The successful candidate must have extensive experience in cell cultures, preferentially organoids or tissue engineering, flow cytometry and microscopy mastering the required analytical software. Research engineers (Ingénieur d'étude de recherche) are invited to apply. Contract will initially be for 1 year and can then be renewed.

If interested, please contact Christopher G. Mueller (c.mueller@ibmc-cnrs.unistra.fr) with CV and a letter of motivation.

DEADLINE July 31, 2026