

A 18-months post-doctoral position, starting on January 7th 2019, is available in the team “Innovative strategies for anti-lymphoma therapy” headed by Jean-Jacques Fournié at the Cancer Research Center of Toulouse (CRCT) in Toulouse. This position is offered in the context of the IMLINFO project from POCTEFA program.

Profil de poste

Projet de recherche / Missions

In the era of personalized medicine, IMLINFO (Réseau transfrontalier d immunothérapies personnalisées dans le traitement des lymphomes non Hodgkiniens) aims to create a repository of Non-Hodgkin Lymphoma (NHL) associated to a 3 dimension (3D) culture platform that will allow the determination of efficacy of new immunotherapy treatments. Current treatments include a polychemotherapy backbone of variable efficacy often associated to significant side effects.

IMLINFO is a cross-border (Spain-France) cooperation between hospitals, research institutes, one pharmaceutical company and one technological company, to establish personalized immunotherapies that reactivate patient's immune system, inducing tumor regression in the absence of chemotherapy. IMLINFO is a multidisciplinary team with experts in 3D culture and multicellular cultures, together with the characterization of 3D structures and drug penetrance by SPIM microscopy. Moreover, the pharmaceutical company integrated in IMLINFO has recognized experience in the development of small molecules as innovative immunotherapies.

The selected candidate will perform his (her) research in the highly stimulating environment of the Cancer Research Center of Toulouse (CRCT) which is located in a campus dedicated to cancer bringing together academic research, private companies and a hospital. He (she) will benefit of all the cutting-edge technology platforms of the CRCT (confocal, high throughput screening system, flow cytometers), and ITAV (SPIM technology). Importantly, he (she) will work in close collaboration with IDIBAPS (Barcelona), short stays are planned.

Activités principales

The candidate will establish and characterize 3D model realized with fresh samples isolated from NHL biopsies/blood. He/she will determine and understand their biology (structure, organization...) but also the penetration and the biological effect's localization of specific drugs by SPIM technology.

Activités associées

He/she will prepare and deliver presentations within the CRCT and externally. Author study reports and peer-reviewed publications.

Connaissances

- Biology, oncology, immunology

Savoir-faire / Méthodologie

3D culture, primary cell culture, fluorescent microscopy (confocal, SPIM).

Aptitudes

We are looking for a highly motivated and enthusiastic applicant. A track record of rigorous bench research and independent thinking, with at least one first-author publication. Highly motivated to contribute to the development of therapeutics for unmet medical needs. Enthusiasm to work in a team-based, collaborative environment. Strong verbal and written communication and organization skills. Ability to prioritize and manage time efficiently. English spoken requisite, spanish spoken will be appreciate.

Spécificité(s) / Contrainte(s) du poste

Video conferences (1/ 3 months) and meetings in Barcelona/Toulouse with all the consortium (2/ year) are planned.

Expérience souhaitée Experience in 3D culture, primary cell culture, fluorescent microscopy (confocal, SPIM). Experience in multiparameter flow cytometry and with small animals will be an advantage.

Diplôme(s) souhaité(s) Ph.D. degree in immuno-oncology, cell biology or a related discipline.

Structure d'accueil

Code unité u1037

Intitulé Centre de recherches en cancérologie de Toulouse

Directeur d'unité Gilles Favre

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Délégation Régionale INSERM ADR04 Occitanie Pyrénées

CSS de rattachement CSS5

Institut thématique principal de rattachement Cancer

Site internet de la structure <https://www.crct-inserm.fr/>

Composition de l'unité 21 Equipes de recherche et un pôle technologique

Équipe de rattachement Innovative strategies for anti-lymphoma therapies

Responsable d'équipe JJ Fournié

Contrat

Type
Post-doctoral position

Durée 18 months

Rémunération Inserm's standard

Date souhaitée de prise de fonctions January 7th 2019

Pour postuler

This project will be supervised by Christine Bezombes, a senior scientist in the team. To apply, please reply to christine.bezombes@inserm.fr with a CV including list of publications, a short description of research interests, and 2 recommendation letters.