UMR Inserm 1052 - CNRS 5286
Centre Léon Bérard
Directeur CLB: Pr Jean-Yves Blay
Directeur CRCL: Pr Patrick Mehlen

Post-doctoral position (3 years) in the Le Saux group (Caux lab)

Deciphering spatio-temporal crosstalk between innate immune and epithelial compartments during early stages of ovarian tumorigenesis

The CISTAR Laboratory "**C**ancer **I**mmune **S**urveillance and **T**herapeutic t**AR**geting"
Team Head: Dr Christophe Caux, Cancer Research Center of Lyon (CRCL)
Group leader: Dr Olivia Le Saux, MD, PhD, Leon Berard Comprehensive Care Center (CLB) / Cancer Research Center of Lyon (CRCL)

Lab's interests

The team "Cancer Immune Surveillance and Therapeutic Targeting" (CISTAR) is part of the Cancer Research Center of Lyon (CRCL, www.crcl.fr) and is composed of researchers, clinicians, technicians and PhD students all devoted to identify new tumor immune surveillance networks to improve cancer treatment. The team benefits from long-standing interactions with clinicians of CLB including Pr I. Ray-Coquard, collaborates with ARCAGY-GINECO for national resources of tumor samples, and is part of various networks/consortiums, such as the Inter-SIRIC network, for bioinformatic interactions (Dr R. Nicolle, INSERM researcher). The CRCL is a reknown and dynamic research center which benefits from state-of-the-art technological facilities for flow cytometry, cell and molecular biology, bulk and single cell sequencing, spatial transcriptomics, spatial tissue imaging and *in vivo/ex vivo* models.

Position summary

We are seeking for a highly motivated, scientifically driven and organized post-doctoral fellow with independent thinking. The candidate will drive a project aiming at integrating bulk RNA sequencing, multiplex immunofluorescence *in situ* localization of macrophages and subcellular spatial transcriptomics to decipher crosstalk with epithelial cells across ovarian tumorigenesis in Human.
The candidate will bring his/her expertise to contribute in identifying key immune surveillance pathways operating across tumorigenesis using a unique strategy based on the combination of spatial analyses of macrophages both at the transcriptomic and proteomic levels in the ovarian environment at different stages of the disease.

Qualifications

The candidate must hold a PhD in cancer biology and/or immunology. He/she will design, execute and propose experiments, analyze results independently (R software, Halo, Inform), interact with partner teams (CRI, Paris, Dr R. Nicolle, & Prism lab, Lille, Pr M. Salzet), apply for funding, and contribute to writing manuscripts. A strong background in immunology and oncology and experience on bioinformatic analysis (R software) are highly desirable. Experience in spatial analysis will be a plus. Experience in animal experimentation, co-culture, ex vivo experiments and flow cytometry are optional.

Application

We will offer a full postdoc grant (3-years position secured – CLB salary based on experience). Interested candidates should submit a motivation letter, CV and contact details of 2 referees to Olivia Le Saux (olivia.lesaux@lyon.unicancer.fr). Starting date: **April 2024**. The closing date for application is January 31st 2024.
For more information about us:
https://www.crcl.fr/les-departements-scientifiques/departement-echappement-tumoral-resistance-immunite/
https://pubmed.ncbi.nlm.nih.gov/?term=Le Saux%20O[Author]