

POSTDOCTORAL POSITION:**Characterization of functional heterogeneity of infiltrating lymphoid stromal cells in follicular lymphoma: Toward a single-cell approach.****Project and environment:**

An 18-months postdoctoral position is available in the INSERM U1236 research UNIT headed by the Pr. Karin TARTE. The research interest of the unit is focused on the Physiopathology of B-cell lymphoma. In this aim, the research project of the team is divided in two axes: i) study of normal B cell differentiation and deregulation of these mechanisms during lymphomagenesis, ii) study of lymph node microenvironnement and in particular lymphoid stromal cells, myeloid cells and follicular helper T-cells and deregulation of their counterparts during lymphomagenesis. The proposed project, belong to this second axis and aimed to better characterized the functional heterogeneity of lymphoid stromal cells in follicular lymphoma. In order to do that, single-cell approach will be used to characterized heterogeneity of lymphoid stromal cells in a physiological and pathological context. we will first construct a backbone of lymphoid stromal cells heterogeneity in physiological context and characterize changes that occurs in follicular lymphoma in order to identify new cell subsets. We will then characterize their functionality and especially their capacity to sustained FL-B cell growth by various approaches (molecular, cellular, epigenetic). This project will help us to better understand the physiopathology of follicular lymphoma and pave the way to new therapeutic strategy.

Candidate research objectives:

- Purify lymphoid stromal cells
- Perform single-cell RNA-seq
- Participate to the analysis with a bio-informatician already recruited
- characterize by various approach cell subset that will be identify

Candidate profile:

- Skill in cell biology and molecular biology
- Skill in cell cytometry and cell sorting
- Interest for bio-informatic analysis
- Knowledge in Immunology and cancerology

Requirement:

- Be able to do after work after hour (for patients' sample that need to be process fresh)
- Must have worked 18 months outside France during the last 3 years.
- Should start before June 2019

Candidate should send:

- CV
- Brief statement of the motivation
- Two contacts information for recommendation.

To Dr. David ROULOIS and Pr. Karin TARTE

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