We are currently inviting applications from enthusiastic and independent post-doctoral candidates with a PhD in Immunology to participate in our ANR Grant-funded MEMO-SIGN project.

Project and research consortium.
The B and T<sub>FH</sub> memory compartments are heterogeneous and comprise different subsets endowed with distinct functions that are still not fully understood. We postulate that fitness and quality of the humoral immunity conferred by vaccination rely on the composition of the memory T<sub>FH</sub> and B cell compartments and on the efficiency of the dialogue between these two populations. This research program centers on exploration of: i) the impact of vaccine formulation on anatomy of the memory B and T<sub>FH</sub> compartments, ii) the crosstalk between memory B and memory T<sub>FH</sub> during recall responses

The project is coordinated by T. Defrance and relies on in vivo experimentation in the mouse. It gathers four teams:
- Nicolas Fazilleau (CPTP, INSERM U1043, Toulouse) who is a pioneer in the field of memory T<sub>FH</sub>
- François Vandenesh (CIRI, Lyon) who has gained international recognition in the field of Staphylococcal pathogenesis
- Bernard Verrier (LBTIT, UMR CNRS 5305, Lyon) who has a strong expertise in nanoparticulate vaccine design and vaccine formulation
- Thierry Defrance (CIRI, Lyon) who has a long-standing expertise in the field of B cell physiology and B cell memory.

Description of the laboratory
This position is opened in the Center for Infectiology Research (CIRI/INSERM U1111, Lyon) in Thierry Defrance’s team. The Center for Infectiology Research is a highly dynamic environment fostering interactions between immunologists, bacteriologists and virologists. It provides all the necessary platforms and facilities for the project, in particular a top notch flow cytometry platform and animal house facility.

Job description and candidate profile
We wish to hire a post-doc for a project start between September 2016 and January 2017. The experimental approaches developed by the applicant will include animal work, flow cytometry and cellular immunology techniques. The applicants are expected to have a strong background in cellular immunology and B cell biology and a strong experience of mouse models and flow cytometry. A proven ability to identify key research objectives and meet agreed deadlines, in addition to self-motivation are essential. Excellent written and communication skills in English is a requirement.

Relevant publications from the consortium:


Aloulou M et al. Follicular regulatory T cells can be specific for the immunizing antigen and derive from naïve T cells. Nat. Commun. 2016. 7: 10579-89.


For more information and to apply for this position, please contact Thierry DEFRANCE (thierry.defrance@inserm.fr) Please include a cover letter addressing your interest in the position along with your CV, summary of your research experience and contact information of two professional references.