



A Post doctoral position on the role of autophagy in immune cells during chronic liver diseases is available at the Center for Research on Inflammation (Paris, France), in the lab of Sophie Lotersztajn

The goal of our team is to provide a better understanding of the mechanisms underlying fatty liver disease progression, a leading cause of chronic liver diseases, with emphasis on the identification of immunometabolic targets that control liver inflammation, fibrosis and liver injury, We focus on the identification of novel pathways that control liver macrophage and lymphocyte phenotypes (Wan Hepatology 2014, Guillot Hepatology 2014, Hegde Nature Com in press) and identified autophagy in macrophages as an antiinflammatory and antifibrogenic pathway (Lodder, Autophagy 2015, Denaes, 2016, Gual 2017).

The project will be to investigate how autophagy reprograms macrophage and lymphocyte phenotype and to delineate the consequences on hepatocellular damage, regeneration inflammation and fibrosis. The project will involve multiple in vivo and in vitro approaches and biochemical, imaging and molecular biology techniques.

The project will be developed at the Center for Research on Inflammation, an institute focusing on inflammatory diseases and a leading actor of the laboratory of excellence "Institute for Inflammatory Diseases" (Inflamex) (See www.cri1149.fr and www.inflamex.fr). It provides an exciting, interactive scientific environment and hosts, and has access to well-equipped modern technological platforms. The position is for 2 years.

Highly motivated applicants should have a strong background in immunology in particular in macrophage and T cell biology, with previous work experience in molecular biology, imaging and biochemical analysis. PhD in Life sciences is required for postdoctoral applicants. The post is suited for an organised, productive and communicative individual, excellent communication skills in written and spoken English, strong analytical skills, and a problem-solving and result-oriented attitude, the ability to work and interact with others in an energetic and supportive research group. Candidates should send a curriculum vitae with a publication list, a short summary of research achievements in English, and the names and email addresses of at least two references to Sophie Lotersztajn (Sophie.lotersztajn@inserm.fr).