Post-doctoral fellowship
Hepatic metabolism, senescence and fatty liver disease (NAFLD)
UMR1011- Institut Pasteur de Lille -France

Duration: 18 months

Location: Inserm UMR1011. Institut Pasteur de Lille, France

Website: http://www.u1011.pasteur-lille.fr/, http://www.egid.fr/accueil/

Contact: rejane.lestrelin@univ-lille.fr

Job description
A new postdoctoral position is available in non-alcoholic fatty liver disease (NAFLD) research team in the laboratory of Pr. Bart Staels at Inserm UMR1011 in Lille, France. Non-alcoholic fatty liver disease (NAFLD) is a chronic liver condition which evolves, at a high rate, especially in elderly and obese patients, from simple steatosis into non-alcoholic steatohepatitis (NASH), an aggressive form of NAFLD predisposing to an increased risk of cardiovascular and progressive liver diseases, including fibrosis, cirrhosis and hepatocellular carcinoma. The natural history of age and obesity-driven NAFLD is poorly understood. However, recent studies suggested a potential role of cellular senescence in hepatocyte dysfunction, fibrosis development and adverse liver outcome. In our project, we will investigate the contribution of hepatocyte senescence to lipid metabolism, inflammation and NAFLD development during aging using primary hepatocytes and distinct models of NASH development in mice. The results obtained will be validated in human by performing correlation studies between genes involved in senescence, lipid metabolism, aging and NASH using two liver cohorts of obese patients with biopsy proven NASH.

Our team received a grant from the transdisciplinary research center of longevity - contract state-region plan (CPER-CTRL) to complete this project with a 18 months post-doctoral grant

Post-doctoral profile
Postdoctoral applicant should have a PhD in cell biology, biochemistry, or a related field. Practical expertise in hepatic metabolism, inflammation and NAFLD fields (preferably both) and a theoretical expertise in senescence and aging is recommended. Experiments will involve animal models of NAFLD, cell biology, histology, cytometry, transcriptomic and bio-informatic analyses. Holding a valid authorization for animal experimentation issue in an EU country is an additional asset. Motivation and ability to function autonomously is required. Evidence of high quality publications and of rigorous engagement with the scientific community required. Excellent communication and organizational skills and the ability to work as part of a collaborative team is crucial. Applicants should send the following in a PDF: curriculum vitae, statements of research interests, a brief description of career goals, and the names and contact information of two references to rejane.lestrelin@univ-lille.fr.

Deadline for application: 31 December 2019