



UMR Inserm 1052 - CNRS 5286

POSTDOCTORAL POSITION IN THE TEAM INFLAMMASOME AND CANCER, at the Cancer Research Center of Lyon.

A 2-years post-doctoral position for a highly motivated and talented postdoctoral fellow is available in the team of Dr Petrilli at the Cancer Research Centre of Lyon (CRCL) France.

The team focuses on the biology of the NLRP3 inflammasome. The NLRP3 protein is a Pattern Recognition Receptor well-known for its role in the formation of the inflammasome complex which controls caspase-1 activation and proinflammatory cytokine production in myeloid cells. The team investigates novel functions and regulations of NLRP3 in human epithelial cells. Work from the team unraveled a crucial role of NLRP3 in cancer-related pathways, independently of the inflammasome activity (Bodnar et al. submitted). The aim of the project will be to decipher the mechanisms underlying the control of NLRP3 expression in normal and cancer cells, especially focusing on epigenetic and miRNA regulation.

Conditions of the postdoctoral contract:

1 year contract, with 12 months extension according to the progress and needs of the project. The candidate will be encouraged to apply for postdoctoral fellowships.

Work environment:

The CRCL is dedicated to basic cancer research, and benefits from strong interactions with the hosting hospital the Centre Léon Bérard. It is composed of 23 teams, totaling over 440 members, including 140 researchers and lecturers. The CRCL offers many technological facilities (animal housing, cytometry and cell sorting, pathology, microscopy...). <http://www.crcl.fr>. The CRCL organizes weekly seminars with national and international speakers, and an international symposium every two years.

The team of Dr Petrilli is part of the Department of Immunity, Virus and Inflammation, which organize monthly seminars for students and postdoctoral scientists, and annual retreats. The team has weekly internal team lab meetings and journal clubs.

Candidate profile:

- PhD in molecular biology or cell biology or cancer biology
- strong expertise in epigenetic, and/or in miRNA biology.
- excellent communication skills
- good level of spoken and written English
- ability to work independently and as part of a team
- problem-solving attitude

Application:

A Cover letter, CV containing 2-3 names of referees and publication list should be sent to virginie.petrilli@inserm.fr before September 15th 2018.

Candidates will have to be available for interview.

Salary will be calculated according to work experience and university salary scale.