

Molecular control of NK cell effector functions.

The “Innate Immunity in Infectious and Autoimmune Diseases” team (Centre International de Recherche en Infectiologie, INSERM U1111; <http://ciri.inserm.fr/en/>) headed by Dr Thierry Walzer is actively seeking to recruit two highly motivated and qualified post-docs to work on different aspects of NK cell biology.

Job description:

We are seeking two highly motivated and talented postdoctoral scientists to

Project 1: Develop a functional genomics screen based on the CRISPR/Cas9 system to decipher signaling pathways and identify new molecules downstream IL-12 and IL-18 responsible for IFN- γ production by NK cells both in human and mice.

Project 2: Characterize the phenotype of the exhausted NK cell population arising in situation of chronic stimulation. Develop animal models recapitulating NK cell exhaustion and allowing study of the conditions leading to exhaustion.

Candidates:

The candidates should hold a PhD in Immunology (or near to completion) and:

Project 1: experience in cell culture, animal work, flow cytometry and genome engineering (CRISPR/Cas9). Background in bioinformatics would be beneficial.

Project 2: a strong expertise in flow cytometry and animal work. Previous expertise in the field of immune signalling and/or NK cell biology would be highly advantageous.

The candidate should be autonomous and rigorous. Excellent communication skills, team spirit, flexibility and assistance to others are essential. There is no nationality restriction. The working language is English. One year contract; renewable for up to 3 years. Salary based on experience, funded by the Agence Nationale de la Recherche.

To apply, please submit a cover letter, a CV with a list of publications, scientific achievements and technical skills, and contact details of 2 referees to uzma.hasan@inserm.fr for **project 1** and antoine.marcais@inserm.fr for **project 2**.

Starting date **first trimester of 2017**.