

Internship Proposition
(one page max)

Master 2 GP Immunology & ImmunIntervention (I³)
2026-2027



Lab: CRCI2NA

Team: 12

Name and position of the supervisor: Christelle Harly

Email of the supervisor: christelle.harly@univ-nantes.fr

Candidate (if internship filled): none

Title of the internship: Function of a transcription factor during ILC development

Summary of the internship proposal:

Innate lymphoid cells (ILC) have been recently discovered. They play important immune and non-immune functions, and are promising effectors to target solid tumors. We aim at understanding how they naturally develop in mouse. This knowledge may help design strategies to generate ILC in vitro for therapeutic purpose.

The specific objective of this project is to better understand the role of a transcription factor that play key function during ILC development, by identifying its gene targets. The intern will analyze scRNAseq data of ILC progenitors that develop in the presence or absence of the transcription factor. He will reconstruct their differentiation trajectories and identify transcriptional dysregulations occurring in the absence of the factor along the trajectories. He may additionally explore genome-wide binding data of the factor to distinguish between direct and indirect gene targets.

Option(s) linked to the project:

Data Analyst Profile (Recherche et Analyse de Données Omiques)

Form to be sent by email to : gpi3@univ-nantes.fr