



Internship proposition  
**One page max**  
M2 OHNU 2026-27



Lab: CIRCI2NA

team: 12

Name and position of the supervisor: Christelle Harly

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Candidate: 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:

X Hematology                      X Immunology-Cancerology  
X Oncology                      X Nuclear Medicine

Option(s) linked to the profile:

Clinical Research Profile                      X Data Analyst Profile  
 Experimental Biology Profile