

Internship Proposition
(one page max)

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



Lab: CR2TI

Team: 5 NEMO

Name and position of the supervisor: Laureline Berthelot

Email of the supervisor: laureline.berthelot@univ-nantes.fr

Candidate (if internship filled):

Title of the internship: Study of antibody responses to microbiota in multiple sclerosis

Summary of the internship proposal:

Multiple sclerosis (MS) is a chronic inflammatory disease of the central nervous system involving genetic and environmental factors such as infections, vitamin D, and the gut microbiota. Numerous studies have demonstrated an alteration of the gut microbiota associated with MS. We have also previously shown that MS patients have a distinctive oral microbiota associated with specific bacteria. We now seek to better characterize the interactions between this microbiota and antibodies in MS, as well as their important role in autoimmunity.

Option(s) linked to the project:

- Clinical Research Profile (Recherche Clinique)
- Data Analyst Profile (Recherche et Analyse de Données Omiques)
- Experimental Biology Profile (Recherche Expérimentale)