

IBIOL EXTERNAL SEMINAR



9 October 2025



12:15–13:15



ROOM F 200



Macarena Marin

University of Lausanne

Hosting bacteria inside legume root nodules

Legumes establish a mutually beneficial endosymbiotic relationship with nitrogen-fixing rhizobia bacteria, housing them in specialized root organs called nodules. In return for fixed nitrogen, plants supply these bacteria with essential nutrients. In this talk, I will explore the strategies legumes use to host large populations of rhizobia, and other bacteria within nodules, and how these organs protect their microbial partners from the surrounding soil environment. I will also discuss emerging evidence on how non-rhizobial bacteria may influence nodule development and function.