Université de Neuchâtel
Institut de biologie

IBIOL

EXTERNAL SEMINAR

19 November 2026

12:15-13:15

ROOM F200



Leonie Lugenbuehl

University of Geneva

Reprogramming plants for fungal symbiosis

The symbiosis between plants and arbuscular mycorrhizal fungi can drastically enhance plant mineral nutrient uptake, but is also associated with a substantial carbon cost. How do plants reprogramme cells to accommodate the fungus and enable nutrient exchange? How is this process regulated at a cellular and whole-plant scale? Can this understanding help optimise symbiosis in crop plants to support sustainable agriculture?