

# IBIOL EXTERNAL SEMINAR



**25 September 2025**



12:15–13:15



ROOM F200



**Irene Garcia Ruiz**

**Columbia University /Neuchâtel University**

## **The evolution of cooperative breeding**

Cooperative breeding, where individuals care for offspring other than their own, arises from a complex interplay of kinship, fitness trade-offs, and ecological constraints. In this seminar, I will show how experiments with a cooperatively breeding cichlid, theoretical models, and comparative analyses reveal how indirect and direct fitness benefits shape the evolution of this altruistic trait.