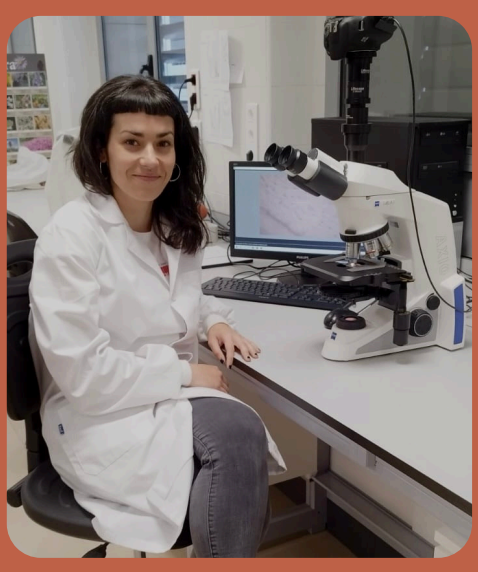
Instituto Universitario de Investigación
Biocomputación y Física de Sistemas Complejos
Universidad Zaragoza

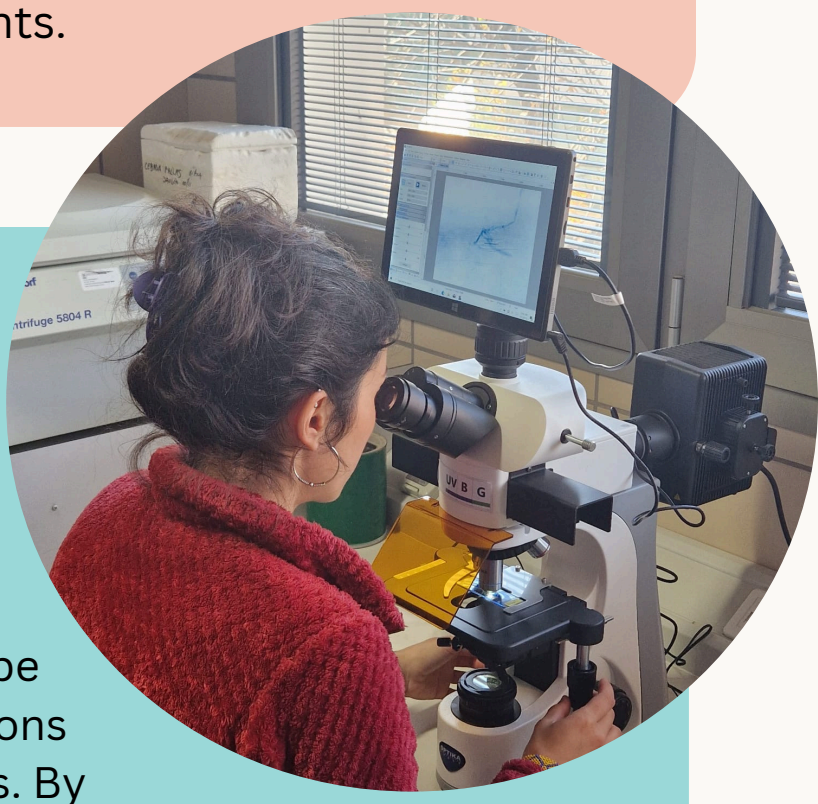
Beatriz Larruy García



She started her research in 2019 at CBGP-UPM after a Master's degree in Agroforestry Biotechnology. In 2022, she joined EEAD-CSIC, working on barley trials and disease assessment, and presented her results at the 5th Symposium on Cereal Physiology and Improvement. In 2023, she collaborated with IdAB CSIC on physiological analyses of soybeans. Currently, at the Bioflora Group of the University of Zaragoza, she studies plant-endophyte coevolution and the evolution of *Brachypodium* and *Festuca*, and joined BIFI for its collaborative benefits.

Researcher profile

R1 researcher, she focuses on the genetic diversity and adaptation of *Brachypodium* species and the *Loliinae* clade, as well as the study of differential gene expression in forage grasses and their endophytic fungi (*Festuca-Epichloë*), analyzing their responses to water stress compared to uninfected plants.



Importance of her research

Her research explores the mechanisms of symbiosis between organisms and their potential in agriculture to cope with adverse climatic conditions and combat diseases or pests. By analyzing adaptations and genetic diversity, she identifies traits that strengthen crop resilience, contributing to sustainable agricultural strategies that increase plant productivity and resistance to environmental changes, and supporting an innovative approach to the selection of more resilient crops for the future.