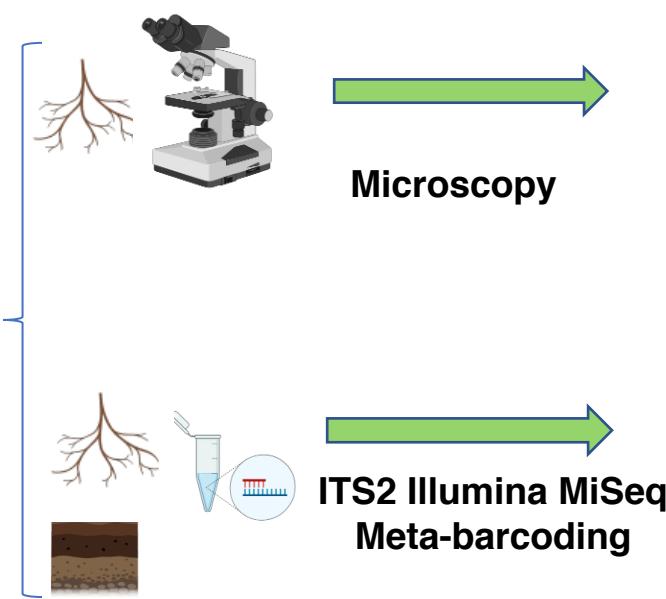


Plant-soil feedbacks between *Juniperus* and *Quercus* seedlings along a disturbance gradient in Central Mexico

Ana I. Bermudez-Contreras, Camila Monroy Guzmán, Rocío Cruz Ortega, Camille Truong
Institute of Biology, National Autonomous University of Mexico (UNAM); bc.anaisabel@gmail.com

Reforestation using *Juniperus deppeana* (AM plant) in native *Quercus spp.* forests



- A. **Root colonization** of root endophytes increased and AM colonization decreased with disturbance in *Juniperus* seedlings
- B. **Species richness** significantly changed for both AM and ECM fungi along the disturbance gradient (root and soil).
- C. **Fungal community composition** in *Quercus* was affected by the presence of *Juniperus*, while in *Juniperus* community composition did not change significantly between sites.

The presence of *Juniperus* is affecting oak regeneration because of plant-soil feedbacks between AM and ECM fungi, with critical impact for the success of reforestation practices.

