

## **F25.08: Drought Tolerance in Tree Species**

### **Overview**

Climate change brings significant challenges to the survival of long-generation tree species. Increased and more frequent episodes of drought and heat will severely affect natural populations of pine species. In my lab, we aim to understand how drought and heat affects different species of pines and what can we do to help species survive in the long-term. Results of our studies are relevant for the management and conservation of the species in the long-term.

### **What the student will DO and LEARN**

Students will learn how to take care of plants in the greenhouse, how to take physiological measurements to study tolerance to drought conditions. They will also learn some molecular methods if they have the interest to do so.

### **Additional benefits**

An exposure to real problems in science and nature, the ability to critically think and troubleshoot, learn how to analyze scientific data, learn how to present poster at scientific conferences and how to publish in scientific journals.

### **Additional qualifications**

N/A

### **Time commitment**

6 hrs/week for 30 weeks