

# School of Earth and Environmental Sciences

## Spring 2025 Colloquium Series

**Monday, May 12, 2025**  
**Science Building D-135**

**12:15 PM -1:30 PM**

### **Shan Gao, PhD**

Associated Professor, Institute of Tibetan Plateau Research, Chinese Academy of Sciences

### **Decoding core ecological processes from tree rings**

In this talk, I will introduce you the latest advancements made by our tree-ring group at the Institute of Tibetan Plateau Research, Chinese Academy of Sciences. I will take you to the upper treeline ecotone of the Third Pole on Earth to explore how trees and shrubs interact

with each other, adapt to warming, and response to disturbance such as earthquakes. I will also zoom out to the global-scale studies that inspired by field observations to uncover response patterns and decode the hidden ecological processes.

