

LSU AgCenter: Plant Ecophysiology Lab

Summer & Fall, 2023

Supervisor/Mentor:

Dr. Brett Wolfe

Profile: <https://www.lsu.edu/rnr/people/profiles/wolfe.php>

Research/Area of Study:

Research interns will collect and process data for various projects on tree ecophysiology in forests near Baton Rouge, Louisiana. Current projects include an assessment of residual water loss through tree bark, an experiment testing how bending whole loblolly pine trees affects their vascular system, and an observational study looking at the effects of nutrient addition on water use in bald cypress trees.

Job Description/Responsibilities:

- Interns will use pressure chambers to measure leaf water potential, portable gas exchange systems to measure photosynthesis and transpiration, and a field spectroradiometer to measure leaf hyperspectral reflectance. They will also help to organize data and perform preliminary analyses.
- Interns must be willing to work outdoors in hot and humid weather. They must be able to walk with a backpack over rough and sometimes muddy terrain. Some field days will include predawn (5AM) measurements.

Qualifications:

Interns should have completed at least one course in plant biology and be familiar with Windows OS and Microsoft Office.

Contact Information:

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