

Synchrotron X-rays for Metals in Plants, Soils, and Environmental Systems: Early Science and Community Building at XLEAP

Wednesday, August 5, 2026 - Friday, August 7, 2026

Cornell University

Scientific Program

Poster Session

Fundamental processes in plant nutrient homeostasis

Plants under external stimuli

Including but not limited to: environmental stressors such as heat, drought, flooding; pathogens, symbionts; nanoparticles

Plant-soil interactions and biogeochemical cycling

Nutrient cycling in aquatic organisms

Plants and critical minerals

Plants in food safety and nutritional quality

Looking ahead

New frontiers in technique developments, open questions, etc.