

Session Program

Aug 5 - 7, 2026



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

Plant-soil interfaces and biogeochemical cycling

Cornell University, Bradfield 101
306 Tower Road, Ithaca, NY 14853, USA Cornell University College of Agriculture and Life Sciences

Wed, August 5

12:45 PM

Plant-soil interfaces and biogeochemical cycling

Session |**Location:** Cornell University, Bradfield 101, 306 Tower Road, Ithaca, NY 14853, USA Cornell University College of Agriculture and Life Sciences

12:45 – 1:15 PM

Unraveling Dynamic Iron Regulation at the Plant-Microbe Interface

Speaker

Wolfgang Busch

1:15 – 1:45 PM

Mycorrhizal-Bacterial Interactions and Resource Fluxes at the Plant-Soil Interface

Speaker

Rachel Hestrin

1:45 – 2:00 PM

Root-secreted Coumarins Increase Phosphorus Bioavailability to Plants through Reductive Dissolution of Iron

Speaker

Christopher Schuler

2:00 – 2:15 PM

Tracing Mineral Copper Acquisition in Grasses through Imaging and Reduction Kinetics

Speaker

Luna Natoli

2:15 PM