

Session Program

Aug 5 - 7, 2026



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

Poster session

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

Thu, August 6

4:00 PM

Poster session

Session | **Location:** Cornell University, Emerson 135

4:00 – 5:30 PM

Chemical biomarker analysis of *Desmophyllum dianthus* corals in New York Bight Submarine Canyons

4:00 – 5:30 PM

Multimodal imaging at LiX for plant and environmental sciences

4:00 – 5:30 PM

Meeting at the Gate: The Role of Root Barriers in Microbe-Induced Resistance

4:00 – 5:30 PM

Investigating the Role of Copper in *Arabidopsis thaliana* Reproduction Using X-ray Fluorescence (XRF) Microscopy

4:00 – 5:30 PM

X-ray induced damage in monocot plants at ambient temperature

4:00 – 5:30 PM

XLEAP: A new beamline under construction at CHESS

4:00 – 5:30 PM

Imaging Elements in Fish “Hard Parts” To Make Discoveries About Their Secret Lives

4:00 – 5:30 PM

Predicting Spatial Maps of Iron Redox Heterogeneity Using Multi-Energy μ XRF

4:00 – 5:30 PM

Urea-to-Ammonia Conversion at *Proteus mirabilis* Modified Pt-Ni/BDD Electrodes

4:00 – 5:30 PM

Uranium Bioremediation in Water Using *Geobacter Sulfurreducens* Electroactive Biofilm on Boron-Doped Diamond Electrode Modified with Nano Zero Valent Iron

4:00 – 5:30 PM

Refurbished ID21 beamline (ESRF): novel tools for μ -XRF and μ -XANES data acquisition and processing

4:00 – 5:30 PM

Exploring the Role of ACA8 and ACA10 in Ion Homeostasis

5:30 PM