

Session Program

Aug 5 - 7, 2026



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

Looking forward

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

Fri, August 7

9:15 AM

Looking forward

Session |

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

9:15 – 9:45 AM

X-ray fluorescence microscopy, the next chapter: correlating elemental distributions with structural features

Speaker

Martina Ralle

9:45 – 10:00 AM

Optimising cryofixation of plant tissues for 2D X-ray microscopy: insights from the ID-21 beamline (ESRF)

Speaker

Gabriel Sgarbiero Montanha

10:00 – 10:15 AM

XLEAP-Enabled Opportunities for Micron-Scale Confocal X-ray Fluorescence Imaging

Speaker

Arthur Woll

10:15 AM

10:30 AM

Looking forward

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10:30 – 10:45 AM

Technique-Independent Analysis Software for Biological Elemental Imaging

Speaker

Tracy Punshon

10:45 – 11:15 AM

Synthetic Biology and Programmable Plant Systems - Opening a Dialogue with Plants

Speaker

Margaret Frank

11:15 AM