

Session Program

Aug 5 - 7, 2026



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

Plants and food safety and nutritional quality

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

Thu, August 6

2:15 PM

Plants and food safety and nutritional quality

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

2:15 – 2:45 PM

Keeping Babies Safe from Farm to Table: Food and Plant Science's Role in Baby Food Manufacturing

Speaker

Amber Morey-Lanza

2:45 – 3:15 PM

Characterizing Impact of Heat Stress on Rice Nutritional Quality and Safety

Speaker

Harkamal Walia

3:15 – 3:30 PM

A novel μ XRF based approach to mapping Fe Absorption across the small intestine (*Gallus gallus*)

Speaker

Eliot Dugan

3:30 – 3:45 PM

Synchrotron XRF-based analyses of minerals distribution in tef (*Eragrostis tef*) seeds and transgenic *Arabidopsis* and rice expressing tef Iron-responsive genes

Speaker

Ayalew Osen

3:45 – 4:00 PM

The atomic- and molecular underpinnings by which exposure to the anthropogenic exposome impacts food quality.

Speaker

Mahesh Narayan

4:00 PM