Workshop Macro to Micro: Quantitative Plant Imaging Across Scales

22 – 25 February 2026 Buxted Park, East Sussex, UK



Funded places for early-career researchers

Plants are one of the most important lifeforms on our planet, making up the vast majority of biomass on earth as well as being the basis for planetary food supply. To feed a growing population and aid food security, we must understand how plants develop and interact with their environments. This Workshop will showcase and bring together interdisciplinary researchers utilising imaging across different spatial levels in plants. It aims to forge links across these differing imaging areas to increase our holistic understanding of plant physiology. We will have sessions dedicated to methodologies and applications of imaging at:

- Whole plant and tissue scales (e.g., Macroscopes, automated growth chambers, biosensors)
- Cellular and Subcellar scales (e.g., organelle dynamics, organelle-organelle contact sites, super-resolution imaging)
- Ultrastructural scales (e.g., CyroEM, serial block face EM)
- Quantification (e.g., AnalyzER, machine-learning analysis)

A key feature of this Workshop is that we have invited non-plant experts to provide an outside perspective for each of the sessions listed above. This is to stimulate cross model interdisciplinary conversations to further push the boundaries of plant quantitative imaging.

Organisers

Mark Fricker Alexander Johnson Joseph McKenna Markéta Šámalová

Speakers

Malcolm Bennett Federica Brandizzi Murray Grant Byung Ho Kang Charlotte Kirchhelle Alex Martiniere Priya Ramakrishna Markus Schwarzländer

Secure your place* alongside leading experts and other early-career researchers from a diverse range of scientific backgrounds.



Deadline: 15 August 2025

To find out more or apply online visit **workshops.biologists.com** (aCo_Biologists Linked m #BiologistsWorkshops)