

Correlative light and electron microscopy system

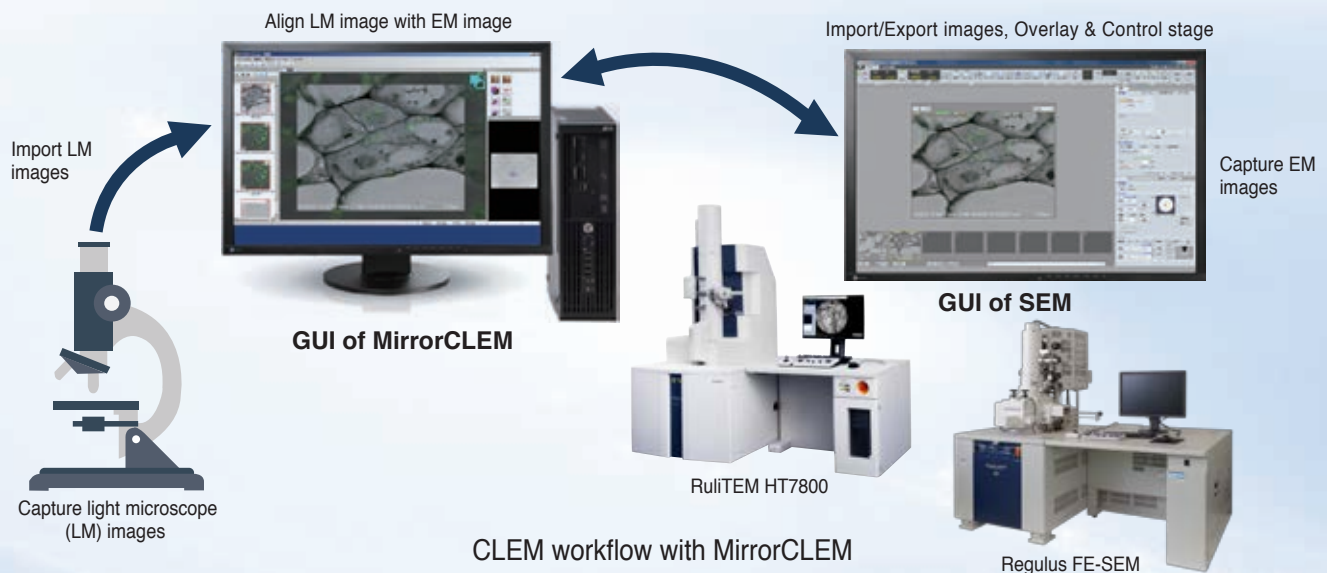
MirrorCLEM

Facilitating Electron Microscope (EM) observation of the fluorescent-labeled ultra-structure

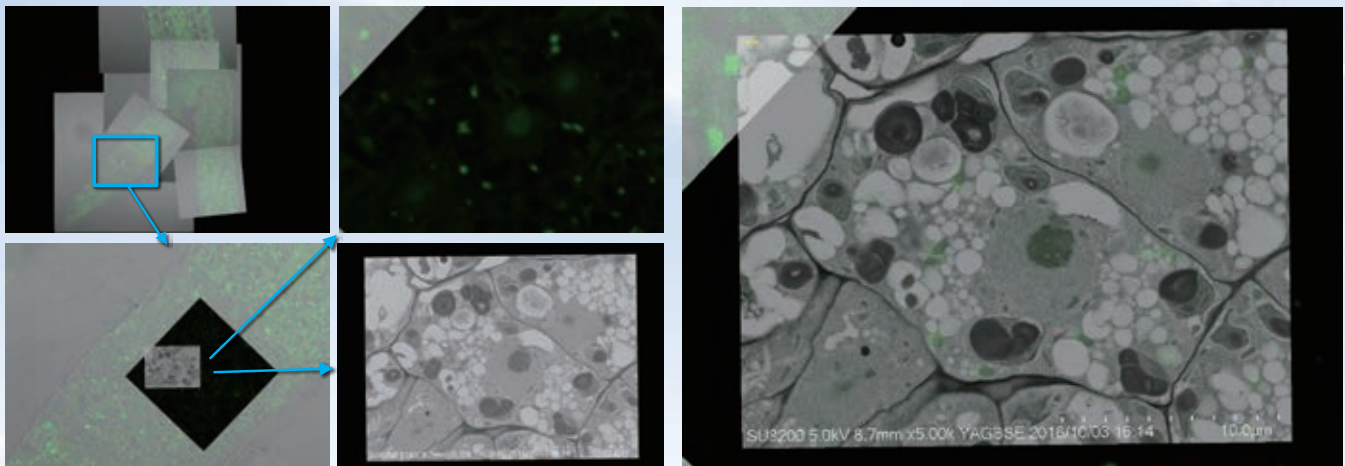


Features

- Once Light Microscope (LM) image is aligned with EM image, EM stage can be externally controlled to the area of interest on the fluorescent microscope image.
- LM image is overlaid on EM GUI on a real-time basis for easy correlative imaging.



Overlaid SEM and fluorescence image



Specimen : Cotyledon cells of *Arabidopsis thaliana*

Acc. Voltage : 5 kV, Mag. : x5 k, Signal : Peroxisome-GFP & DIC (Confocal laser scanning micrographs), YAG-BSE (SEM image)
Specimen courtesy by Kiminori Toyooka, RIKEN CSRS