

# Olympus IX 81 Confocal Laser Scanning Microscope



This inverted LSCM is housed in microscopy unit room (112) in Plant Science (Fruit Tree building) institute.

It has three PMT and one transmitted light detectors. It is equipped with the following:

## **Lenses:**

- UPlanApo 10x/0.4 Dry
- UPlanApo 20x/0.7 Dry
- UPlanSApo 40x/0.9 Dry
- PlanApo 40x/0.9 water (WLSM)
- PlanApo 60x/1.0 water (WLSM)
- UPlanSApo 60x1.35 oil



### Excitation Laser Lines:

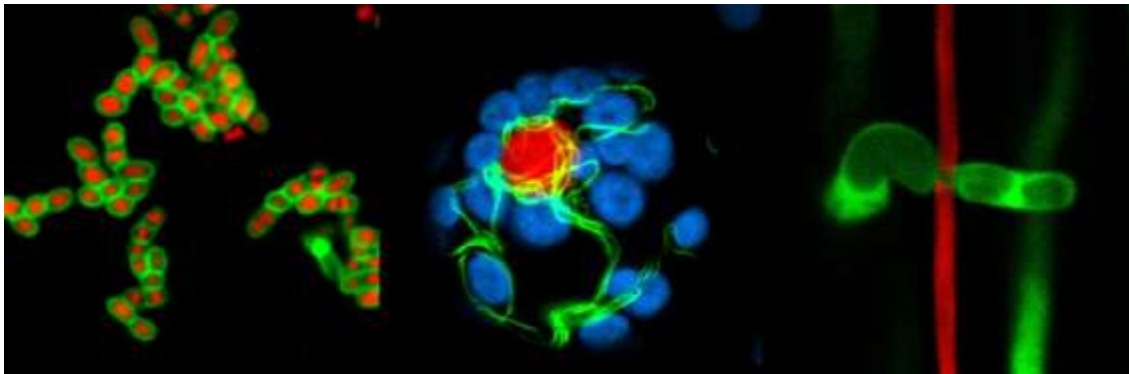
Diode 405 nm •

OBIS : •

488 nm

561 nm

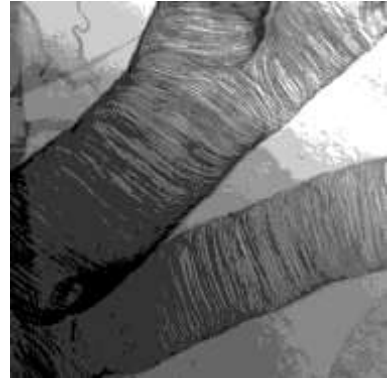
640 nm



### Transmitted Light:

Bright Field •

Differential Interference Contrast •



## Fluorescence

**Filtercubes** for observation:

- UV •
- GFP •
- RFP •
- CFP-YFP •

## Additional Features:

- Time lapse •
- Z-Stacking •
- High Resolution Digital Image Capturing •
- FRAP (Fluorescence Recovery After Photobleaching) •
- FRET (Fluorescence Resonance Energy Transfer) •