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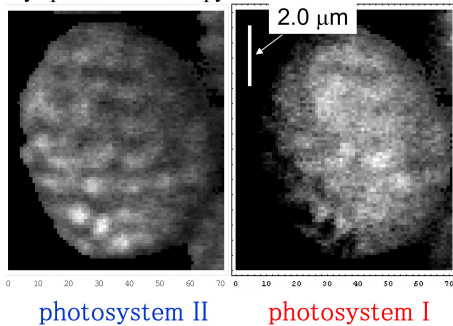
Speciality】 Photosynthetic Photochemistry, Laser spectroscopy and microscopy

Keywords】 Photosynthesis, spectral microscopy

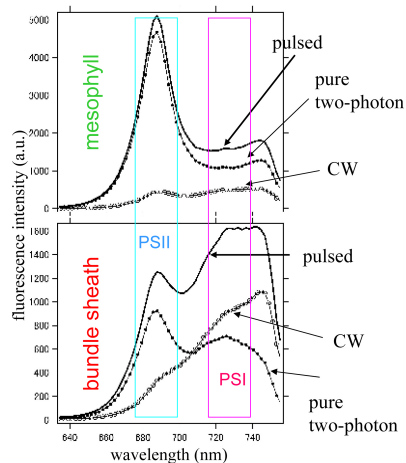
【 Research Subject 】 Three-dimensional super-resolution spectromicroscopy to trace inter-protein interactions and morphological changes in photosynthetic membranes on spatial and temporal domains

Research Group Activity

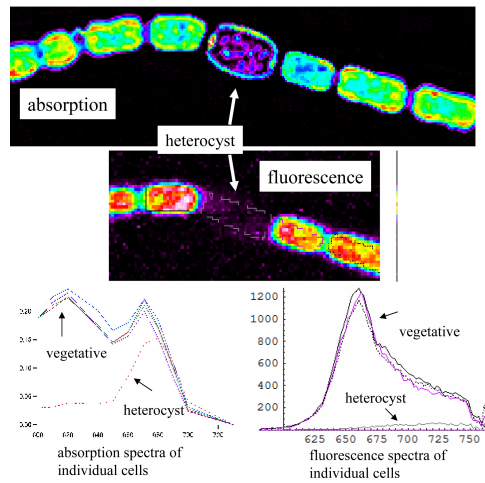
Distribution of PSII and PSI fluorescence inside chloroplasts obtained by spectral microscopy



New methodology to estimate the degree of chloroplast differentiation realized by the different excitation mechanism between Near-IR pulsed excitation and Near-IR CW excitation



Differentiated states of cells and/or chloroplasts analyzed by measurement of both fluorescence and absorption spectra.



Depth-superresolution spectral microscope applicable to research on thylakoid membrane

