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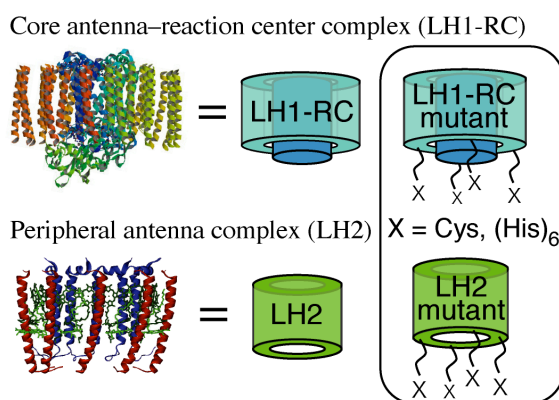
【Speciality】 Biofunctional Chemistry

【Keywords】 photosynthesis, membrane protein, supramolecular assembly, self-assembly, SPM, light energy conversion

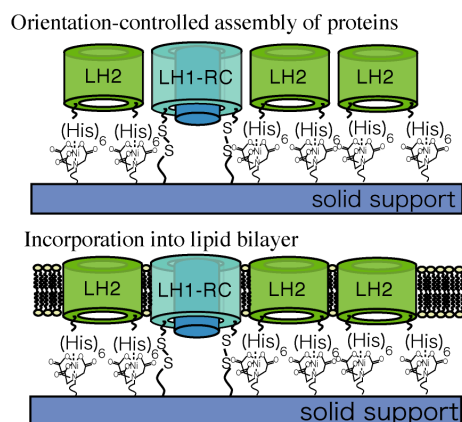
【Research Subject】 Organization of Photosynthetic Membrane Protein Assembly and its Functional Analysis by Microscopy/Photocurrent Sensing

Research Group Activity

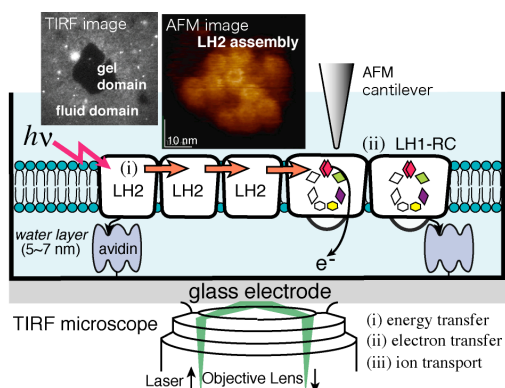
Preparation of photosynthetic protein mutants for organization onto solid supports



Organization of tag-appended photosynthetic protein mutants onto solid supports



Observation of LH1-RC/LH2 supramolecular assembly by TIRF/AFM



Functional analysis of LH1-RC/LH2 assembly
•Microscopy/electrochemical analysis

Functional analysis of assemblies onto electrodes by photocurrent conversion and electrochemical SPM

