

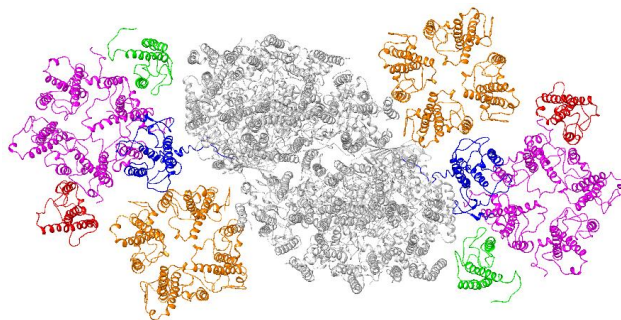
Theme: Molecular basis for photosynthetic regulation from light harvesting to metabolism.

Purpose:

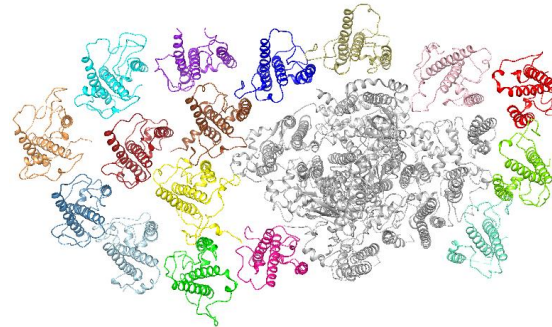
- (1) Structural basis for light-harvesting strategy in photosynthetic organisms
- (2) Expression and regulation of photosynthetic compounds

Achievement:

- (1) Structural analyses of PSII-FCPII and PSI-FCPI supercomplexes from a diatom
- (2) Investigation of expression mechanisms of extracellular polysaccharides

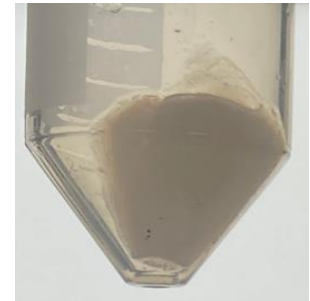


PSII-FCPII



PSI-FCPI

Structures of PSII-FCPII and PSI-FCPI from a diatom



Precipitation of extracellular polysaccharides