

# Structural studies on Photosystem II

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## Abbreviations

$\beta$ -DM	n-dodecyl- $\beta$ -D-maltoside
Car	$\beta$ -carotene
Chl	Chlorophyll
CP	Chlorophyll binding protein
Cyt	Cytochrome
DGDG	Digalactosyldiacylglycerol
EET	Excitation energy transfer
ET	Electron transfer
ETC	Electron transfer chain
EXAFS	Extended X-ray absorption fine structure spectroscopy
H-bond	Hydrogen bond
ISP	Rieske iron-sulfur protein
LHC	Light harvesting complex
MAD	Multi-wavelength anomalous diffraction (dispersion)
MeOH	Methanol
MGDG	Monogalactosyldiacylglycerol
MIR	Multiple isomorphous replacement
MR	Molecular Replacement
NCS	Non-crystallographic symmetry
OEC	Oxygen evolving complex
PBRC	Purple bacterial reaction center
PG	Phosphatidyl-diacylglycerol
PEG	Polyethelene glycole
Pheo	Pheophytine
PS	Photosystem
PQ	Plastoquinone
PQH <sub>2</sub>	Plastoquinol
RC	Reaction center
ROS	Reactive oxygen species
SAD	Single-wavelength anomalous diffraction (dispersion)
SIR	Single isomorphous replacement
SQDG	Sulfoquinosyldiacylglycerol
<i>T. elongatus</i>	<i>Thermosynechococcus elongatus</i>
<i>T. vulcanus</i>	<i>Thermosynechococcus vulcanus</i>
TLS	Translation, libration, screw
TMH	Transmembrane $\alpha$ -helice

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