

Principles of Photosynthesis in Core Complexes: Present Understanding and Future Development

A Joint Seminar

Kwansei Gakuin Chemistry Forum
and
A UK-Japan Cooperation
Strategic International Cooperative Program
Japan Science and Technology Agency (JST)

2 June 2007 (Sat) 11:00-18:00

School of Science and Technology
Kwansei Gakuin University

Program

- 11:00 Alastair T. Gardiner (The Univ. of Glasgow)
Crystallographic Studies on the Complexes that Comprise the
Purple Bacterial Photosynthetic Unit
- 13:00 Zheng-Yu Wang*, Yukihiro Kimura (Ibaraki Univ.)
Structural and Functional Characterizations of LH1 and Core
Complexes from Purple Photosynthetic Bacteria
- 14:00 Hiroyoshi Nagae* (Kobe City Univ. of Foreign Studies)
Light-Harvesting Function of Carotenoids in Antennas from
Purple Bacteria: Unique Properties of Singlet-Excited States of
Carotenoids
- 15:00 Yasushi Koyama (Kwansei Gakuin Univ.)
Photo-Protective Functions of Carotenoids in Core Complexes
from Purple Bacteria As Revealed by Time-Resolved Absorption
Spectroscopy
- 16:00 Shigeru Itoh* (Nagoya Univ.)
Mechanisms of Electron Transfer Driven by Solar Energy in
Photosynthesis: Ancient- and Modern-Type Reaction Centers in
Bacteria and Plant
- 17:00 Hirozo Oh-oka (Osaka Univ.)
Structural and Functional Relationship in the Type 1 Reaction
Center of Heliobacteria: A Research toward the Determination of
its 3D Structure

* Speakers invited by the JST grant

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