

Institute for Protein Research (IPR) International Seminar
**Regulation and Environmental Adaptation of Photosynthesis:
An Attractive Theme for Structural Life Science**
Co-sponsored by GDRI-IPB (CNRS, France)

Date: 24 October, 2014
Venue: Institute for Protein Research, Osaka University
大阪大学蛋白質研究所 1階講堂

10:00-10:15 Opening Remark

“International Research Network (GDRI) on Integrative Plant Biology (IPB)”
Akira Suzuki (INRA, Versailles)

10:15-12:15 MACROMOLECULAR ASSEMBLY AND REGULATION

“Crystal structure of the LH1-RC complex from a thermophilic photosynthetic bacterium”
Kunio Miki (Kyoto University)

“Dynamics of photosynthetic reaction center complexes”
Yuichiro Takahashi (Okayama University)

“X-ray structure of the electron transfer complex between Fd and Fd-GOGAT”
Genji Kurisu (Osaka University)

“Kinetic analysis of intracellular molecules in microalgae by in vivo cell imaging”
Tomoko Yoshino (Tokyo University of Agriculture and Technology)

13:20-15:40 DIVERSITY AND ENVIRONMENTAL ADAPTATION

“Control mechanisms for photosynthesis in marine diatoms”
Chris Bowler (Institut de Biologie, Ecole normale supérieure/CNRS, Paris)

“Non-photochemical quenching in *Chlamydomonas reinhardtii*”
Jun Minagawa (National Institute for Basic Biology)

“The role of ion homeostasis in the regulation of photosynthesis”
Giovanni Finazzi (CEA/CNRS, Grenoble)

“Chlorophyll biosynthesis under low oxygen environments”
Yuichi Fujita (Nagoya University)

16:00-17:30 ALLOCATION AND DISSIPATION OF PHOTOSYNTHETIC ENERGY

“Regulation of pmf by PSI cyclic electron transport”
Toshiharu Shikanai (Kyoto University)

“The impact of dynamic ferredoxin:NADP(H) oxidoreductase interactions on
photosynthetic electron partitioning”
Guy T. Hanke (Osnabrück University)

“Effects of improvement of photosynthetic carbon metabolism on plant productivity”
Masahiro Tamoi (Kinki University)

Organizers: Toshiharu Hase (IPR), Genji Kurisu (IPR) and Akira Suzuki (INRA Versailles)
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No pre-registration is required. A get-together will be held after talking sessions.

大阪大学蛋白質研究所 (<http://www.protein.osaka-u.ac.jp/>): 阪急電車北千里駅から徒歩15分、大阪モル
ル阪大病院前から徒歩15分、北大阪急行千里中央駅から徒歩又はタクシーで15分