

Institute for Protein Research Symposium
Cutting edge of Structural biology and biochemistry of anaerobic proteins

Date: March 5th(Thu), 2015

Venue: Lecture Hall, Institute for Protein Research (IPR), Osaka University

- 10:00 Opening Remarks Haruki Nakamura (Osaka University)
- 10:15 Genetic manipulation of *Anabaena* nitrogenase and heterocyst differentiation to increase photobiological hydrogen production Hajime Masukawa (Osaka City University)
- 10:45 Regulatory mechanism of a Fe-S cluster containing transcriptional regulator for VFe-nitrogenase Hiroshi Nakajima (Nagoya University)
- 11:15 Versatility and application of nitrogenase-like enzymes on bacteriochlorophyll pigment biosynthesis Yusuke Tsukatani (Tokyo Institute of Technology)
- 11:45 Reaction mechanism of dark-operative protochlorophyllide reductase Yuichi Fujita (Nagoya University)
- 12:15 Lunch
- 13:30 Generation, Transfer and Decomposition of NO in Denitrification System Yoshitsugu Shiro (RIKEN SPring-8 Center)
- 14:00 Exploring reaction properties and electron transfer pathways in the homodimeric photosynthetic reaction centers Hirozo Oh-oka (Osaka University)
- 14:30 Genetic and Structural analyses of ISC machinery involved in iron-sulfur cluster biosynthesis Yasuhiro Takahashi (Saitama University)
- 15:00 Structural and functional analyses of SUF machinery involved in iron-sulfur cluster biosynthesis Kei Wada (University of Miyazaki)
- 15:30 Coffee Break
- 15:50 Observation of hydride in the active site of [NiFe] hydrogenase Koji Nishikawa (University of Hyogo)
- 16:20 Structural and functional characterization of protein and cofactor variants in the two-dimensional design of [FeFe]-hydrogenases Martin Winkler / Julian Esselborn (Ruhr-Universität Bochum)
- 16:50 Closing Remarks Genji Kurisu (Osaka University)
- 17:30 Gathering

Organizers: Genji Kurisu(Osaka University) and Yuichi Fujita(Nagoya University)

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Access: 15 min walk from Hankyu Railways, Kita Senri Station /

20 min walk from Osaka Monorail, Handai Byoin Mae Station /

15 min by taxi or bus from Senri Chuo Station