



# International Workshop on Picobiology

## February 11 (Sat) 2012

先端科学技術支援センター・セミナールーム大 (<http://www.cast.jp/>)

- 9:15 - 9:30 **Opening Remarks** S. Yoshikawa
- 9:30 - 10:05 **Y. Higuchi** (University of Hyogo)  
Structural chemistry of [NiFe] hydrogenase
- 10:05 - 10:40 **J. Shen** (Okayama University)  
High resolution structure of photosystem II that enables photosynthetic water-spilting
- 10:55 - 11:30 **Y. Shiro** (RIKEN, SPring-8 Center)  
Structure and Function of Nitric Oxide Reductases, Anaerobic Respiratory Enzymes
- 11:30 - 12:05 **S. Yoshikawa** (University of Hyogo)  
Functions of Bovine Heart Cytochrome c Oxidase
- 13:05 - 13:40 **D. Rousseau** (Albert Einstein College of Medicine, USA)  
Two tyrosyl radicals stabilize high oxidation states in cytochrome c oxidase
- 13:40 - 14:15 **S. Papa** (University of Bari, Italy)  
Signal transduction and Pathophysiological control of respiratory metabolism in human cells
- 14:15 - 14:50 **T. Yonetani** (University of Pennsylvania, USA)  
How does hemoglobin generate such a diverse functionality of physiological relevance?
- 14:50 - 15:25 **T. Tsukihara** (University of Hyogo)  
Structural and functional research of gap junction channels
- 15:40 - 16:15 **JL. Popot** (CNRS/University of Paris-7, France)  
Folding and expressing membrane proteins in amphipols, a highly foreign environment. Applications and implications
- 16:15 - 16:50 **K. Oiwa** (NICT, Advanced ICT Research Institute)  
Structure and Force Generating Mechanism of Axonemal Dynein
- 16:50 - 17:15 **Z. Lygerou** (University of Patras, Greece)  
Control over DNA Replication in time and space
- 17:15 - 17:40 **S. Taraviras** (University of Patras, Greece)  
Life without Geminin: Lessons from Nervous and Haematopoietic system
- 17:40 - 18:20 **General Discussion**  
18:30 **Banquette**

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<http://sci.u-hyogo.ac.jp/life/GCOE/index-j.html>