

**The 18th Plant Organelle Workshop**  
**“Unbeaten by rain, unbeaten by wind**  
**.....How plants and their organelles adapt to the environment”**

**Organizers (in alphabetical order):**

Hidehiro Hayashi, Nobuaki Hayashida, Yusuke Kato,  
Shigeyuki Kawano, Hirokazu Kobayashi, Kensuke Kusumi,  
Yutaka Miyazawa, Yoshiki Nishimura, Junichi Obokata

13:30	Opening remarks
<b>Session 1</b>	
13:35–14:10	“Artificial tonoplast adhesion caused by GFP dimerization and its prevention in cells” Shoji Segami, Masayoshi Maeshima (Nagoya University)
14:10–14:45	“Autophagy for the elimination of photodamaged chloroplasts” Masanori Izumi (Tohoku University)
14:45–15:20	“Chilling sensitivity of photosynthetic electron transport induced by high-root temperature” Kensaku Suzuki (NARO Tohoku Agricultural Research Center)
15:20–15:35	Break
<b>Session 2</b>	
15:35–16:10	“Plastidial stringent response controls plant growth and stress responses” Shinji Masuda (Tokyo Institute of Technology)
16:10–16:45	“How do chloroplasts move around the cell in response to light?” Sam-Geun Kong (Kyushu University)
16:45–17:20	“Functions, structures and practical applications of cold-regulated chloroplast proteins” Takehito Inaba (University of Miyazaki)
17:20–17:30	Break
17:30–18:30	Keynote lecture “How does plant acclimate to cold?: Involvement of the plasma membrane” Matsuo Uemura (Iwate University)
18:30–18:40	General discussion
18:40	Closing remarks
19:00	Mixer ( <i>Beer pub BAEREN</i> )

This workshop is free to all the participants, but who are encouraged to register at our Website (<http://sfns.u-shizuoka-ken.ac.jp/pctech/workshop>).

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**1st Workshop on Photosynthetic Bacteria**

15:30–16:00	Registration
16:00–16:05	Opening remarks (Jiro Harada)
16:05–16:35	“The photosynthetic bacterium <i>Rhodobacter capsulatus</i> leads study on chlorophyll biosynthesis” Yuichi Fujita <sup>1</sup> ( <sup>1</sup> Graduate School of Bioagricultural Sciences, Nagoya University)
16:35–17:05	“Molecular mechanisms for the enhanced thermal stability and unusually red-shifted Q <sub>y</sub> transition of light-harvesting 1 complexes from thermophilic purple bacterium <i>Thermochromatium tepidum</i> ” Yukihiro Kimura <sup>1</sup> , Yuki Yura <sup>1</sup> , Yong-Li <sup>1</sup> , Takashi Ohno <sup>1</sup> , Zheng-Yu Wang-Otomo <sup>2</sup> ( <sup>1</sup> Graduate School of Agricultural Science, Kobe University, <sup>2</sup> Faculty of Science, Ibaraki University, Japan)
17:05–17:20	“Study on environmental responsive sensor proteins using purple photosynthetic bacteria” Takayuki Shimizu <sup>1</sup> ( <sup>1</sup> Department of Biological Science, Tokyo Institute of Technology)
17:20–17:35	Coffee break
17:35–18:05	“Regulation of energy metabolism in anoxygenic photosynthetic bacteria” Hiroyuki Arai <sup>1</sup> ( <sup>1</sup> Department of Biotechnology, The University of Tokyo)
18:05–18:20	“Extracellular nucleic acids of the marine phototrophic bacterium <i>Rhodovulum sulfidophilum</i> ” Nobuyoshi Nagao <sup>1</sup> ( <sup>1</sup> Graduate School of Engineering, Toyohashi University of Technology)
18:20–18:30	Discussion “Future development of studies on photosynthetic bacteria”
19:20–	Get together

**The Japanese Society of Young Plant Physiologists 2016 (34<sup>th</sup> meeting)  
“How to live as a researcher—Industry or academia”**

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19:15-19:20	Opening remarks by Organizers
19:20-19:55	“Career case studies of Plant Physiology Graduates; Several Interview Results” Doi Hidetaka <sup>1</sup> (Ajinomoto Co., Inc.)
19:55-20:30	“Science of myself” Yasunori Ichihashi <sup>1</sup> (CSRS, RIKEN)
20:30-20:45	Discussion

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Organizers: Naoyoshi Kumakura (CSRS, RIKEN)  
Yuki Kondo (Graduate School of Science, The University of Tokyo)  
Yasuhiro Kadota (CSRS, RIKEN)  
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