

The day before the meeting, PM

Satellite Meeting

Sat., March 13, 13:00–18:50 Room J

**The 23th Plant Organelle Workshop  
— Metamorphosing paradigms in organelle biology —**

Language:Japanese

**Organizers (in alphabetical order):** Masanori Izumi (RIKEN), Yusuke Kato (Setsunan University), Kensuke Kusumi (Kyushu University), Yoshiki Nishimura (Kyoto University), Junichi Obokata (Setsunan University), Atsushi Takabayashi (Hokkaido University), Tomohiro Uemura (Ochanomizu University)

13:00	Opening remarks
Session 1	
13:05	PSI-PSII megacomplex in green lineage Makio Yokono (Hokkaido University), Atsushi Takabayashi (Hokkaido University), Seiji Akimoto (Kobe University)
13:40	Functional and structural insights into an evolution of photosynthetic light harvesters Ryo Nagao (Okayama University)
14:15	Break
Session 2	
14:25	Formation of chloroplast-associated organelle zones Masanori Izumi (RIKEN)
15:00	Molecular mechanism of mitophagy Tomotake Kanki (Niigata University)
15:35	The impact of mitochondrial DNA dynamics on the overall function of mitochondria. Takaya Ishihara (Osaka University)
16:10	Break
16:20	Dynamics of protein sorting zones on the TGN in plant Tomohiro Uemura (Ochanomizu University)
16:55	Cisternal maturation dynamics of the trans-Golgi network in budding yeast Takuro Tojima (RIKEN)
17:30	Break
Keynote lecture	
17:40	Endomembrane-mediated survival strategies in plants Ikuko Hara-Nishimura (Konan University)
18:40	General discussion
18:50	Mixer (Online)*

This workshop is open to all interested participants. Please register online in advance.

<http://www.rib.okayama-u.ac.jp/OWS/>

\*For details about the mixer, please visit our website.

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The day before the meeting, PM

Satellite Meeting

Sat., March 13, 14:00–7:40 Room K

## 6th Workshop on Photosynthetic Bacteria

Language:Japanese

**Organizers:** Jiro Harada (Kurume University School of Medicine)  
Yusuke Tsukatani (Japan Agency for Marine-Earth Science and Technology)  
Chihiro Azai (Ritsumeikan University)

14:00	Opening remarks Jiro Harada
14:05	“Telescopic observation of solar-induced chlorophyll fluorescence on extrasolar planets” Kenji Takizawa (Astrobiology Center, NINS)
14:35	“Analysis of the relationship between PSI/PSII excitation ratio and photosynthetic electron transport flux and the function of NDH-1 using FBA simulation in cyanobacteria” Masakazu Toyoshima (Department of Bioinformatic Engineering, Graduate School of Information Science and Technology, Osaka University)
15:05	“Challenges and prospects for expressing synthetic cyanobacterial genome in <i>Bacillus subtilis</i> BEST7613” Satoru Watanabe <sup>1</sup> , Kei Asai <sup>1</sup> , Mitsuhiro Itaya <sup>2</sup> ( <sup>1</sup> Department of Bioscience, Tokyo University of Agriculture; <sup>2</sup> Faculty of Engineering, Shinshu University)
15:35	Coffee break
15:50	“Diversity of the light-harvesting complexes in purple phototrophic bacteria” Seiu Otomo <sup>1</sup> , Yukihiro Kimura <sup>2</sup> ( <sup>1</sup> Faculty of Science, Ibaraki University, <sup>2</sup> Graduate School of Agriculture, Kobe University)
16:20	“Extension of light-harvesting and photocurrent generation activities of purple bacterial light-harvesting/reaction center complexes” Takehisa Dewa (Graduate School of Engineering, Nagoya Institute of Technology)
16:50	“Photochromic signal transduction mechanism of light sensor protein PYP” Suhyang Kim (Graduate School of Science, Kyoto University)
17:20	Discussion
18:00	Get together

**Entry Form: <https://bit.ly/3mMwoEU> (Dead Line: 05/03/2021)**



Day 1, Evening

Satellite Meeting

Sun., March 14, 18:30–20:00 Room K

## Workshop for Remodeling Plant Reproduction

Language:Japanese

**Organizers:** Daisuke Maruyama (Yokohama City University)  
Yoko Mizuta (Nagoya University)  
Shohei Yamaoka (Kyoto University)

18:15	Zoom session starts
18:30	Opening remark Daisuke Maruyama (Yokohama City University)
18:35	Can “surviver” synergid cell acquire new cell fate? Daisuke Maruyama (Yokohama City University)
18:55	Live-imaging and germ cell modification in pollen tube development Yoko Mizuta (Nagoya University)
19:15	Understanding male gametogenesis in pollen by the <i>Marchantia polymorpha</i> studies Shohei Yamaoka (Kyoto University)
19:30	Molecular mechanism of the generative cell engulfment by the vegetative cell in Arabidopsis Kazuo Ebine (NIBB)
19:45	General Discussion
20:00	Zoom session ends

In this workshop, the studies regarding the Grant-in-Aid for Transformative Research Area (B) entitled “Remodeling Plant Reproduction System by Cell Fate Manipulations” will be introduced and the future prospects of plant reproductive research will be discussed.

This workshop will be recorded. The recordings will be used only for the Research Area activities and will not be used for any other purpose.

Day 1, Evening

Satellite Meeting

Sun., March 14, 19:00–20:30 Room J

## The 38th Meeting of the Japanese Society for Young Plant Physiologists

Language:Japanese

**Organizers:** Rumi Amano (RIKEN BRC)  
Tatsuya Nobori (Salk Institute)

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19:00	Opening remarks by Organizers
19:10	Molecular system for flexible regulation of cell proliferation and differentiation in plants ~Or, how to understand what plants are in my own way~ Dr. Misato Ohtani (The University of Tokyo)
19:40	Genome editing: development of CRISPR-Cas and its supporting technologies in plants Dr. Shigeo Sugano (National Institute of Advanced Industrial Science and Technology)
20:10	Discussion

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This meeting offers young scientists and students the opportunity to exchange information and discuss topics related to research and career development. We invited two speakers to share their own stories with us. A virtual mixer will be held after the program. More details are available on the meeting website (<http://jsyppmeeting.wixsite.com/wakatenokai>).

Registration due on March 12: <https://forms.gle/fMLMmXPqX87FzRv56>

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