

Day 1, Lunch time

Luncheon Seminar

Sun., March 14, 12:45–13:45 Room W

Seminar on Gender Equality

Why are there so few female researchers in Japan? Considerations based on a large survey for 18,000 researchers.

Language: Japanese

Guided by Dr. Michiko Bando (National Institute of Public Health) and Dr. Reiko Motohashi (Shizuoka University)

The Japan Inter-Society Liaison Association Committee for Promoting Equal Participation of Men and Women in Science and Engineering consists of societies in the natural sciences, where the percentage of female members is small, and it promotes and collaborates activities related to gender equality. The Large-scale surveys on Gender Equality in STEM are conducted every four years, and many of our society members would be among the 18,000 researchers who responded to the survey. The results are reported as the “Large-Scale Survey of Actual Conditions of Gender Equality in Science and Technological Professions”, but many of you may have not seen it. In this seminar, Dr. Michiko Bando (National Institute of Public Health) and Dr. Reiko Motohashi (Shizuoka University), who were involved in the fourth survey, will give a lecture to introduce the environment surrounding female researchers highlighted by the survey.

Each university is now trying to increase the ratio of female researchers and it requires a transformation of the consciousness of each person and improvement of the environment. For this aim, it is necessary to understand the social background and structure surrounding researchers. Are there really so few women who get academic posts? If so, why is it so? Is it because fewer female students seek jobs in Japanese universities? If so, what are the reasons why they give up seeking these jobs? We hope this seminar will provide a good opportunity to understand the current situation in our society.

Day 1, Evening

Evening Seminar

Sun., March 14, 17:15–18:15 JST Room W

(Start time in other zones: 19:15 AEDT; 9:15 CET; 8:15 GMT; 4:15 EDT; 1:15 PDT)



PCP Evening Seminar 2021
“Plant & Cell Physiology: publishing in the time of Covid-19”

Language: English

This past year has been a challenging time for many, but has also presented a unique opportunity to consolidate scientific studies and increase publication output. In this session, Plant & Cell Physiology’s new Editor-in-Chief, Prof. Wataru Sakamoto (Okayama University) will present a summary of PCP activities over this past year, as well as an update on PCP’s editorial developments and planned activities for the future. In addition, we will hear from our newly appointed Budding Editors, and also from some of our authors who will discuss their outstanding, recently published work in the journal. We hope you can join us!

Seminar outline:

1. Summary of PCP activities and future plans
2. Editorial developments and Editor discussion
3. Publishing highlights and author presentations
4. Live Q & A session

JSPS symposium delegates will have the opportunity to put questions to the PCP Editorial Team throughout this session using the live chat function (in English or Japanese), and/or participate in the interactive Q&A session at the end of the presentations.

Day 2, Lunch time

Luncheon Seminar

Mon., March 15, 12:00–12:50 Room W

Illumina K.K. Luncheon Seminar

Language: Japanese

Sponsor: Illumina K.K.

Speaker 1:

Multiple applications with Illumina NGSs in plants and microalgae.

Dr. Keiichi Mochida, RIKEN Center for Sustainable Resource Science

High-throughput sequencing offers various applications for genome-scale studies in plants and microalgae. Using Illumina sequencing platforms, we have studied genomes and transcriptomes in model plants, crops, and microalgae. In this seminar, I introduce examples from our studies using Illumina sequencers such as NovaSeq6000 and iSeq100. With the NovaSeq6000 system, its sequencing power and scalability have enabled us to analyze genetic diversity of barley accessions from multiple omics aspects such as field transcriptome, exome-sequencing, and chip-sequencing. On the other hand, iSeq100, the smallest and most affordable benchtop sequencer in the illumine series is useful to rapidly analyze PCR amplicons from particular genomic regions or metagenome samples. In this seminar, I introduce our examples with iSeq100 such as amplicon-sequencing of loci targeted by genome editing in *Euglena*.

Speaker 2:

Introduction and latest update of Illumina Next Generation Sequencer

Dr. Takafumi Kobayashi, Sales Specialist team Asia Pacific and Japan, Illumina K.K.

Illumina's next generation sequencer (NGS) has been used for researchers working on physiological application including genotyping and gene expression for over 10 years. In this session, firstly the principle of Illumina NGS is introduced mainly for entry users. Secondly, recent updates regarding mid-high throughput NGS, NextSeq 1000, NextSeq 2000 and NovaSeq 6000 are presented.

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Day 3, Lunch time

Luncheon Seminar

Tue., March 16, 12:00–12:50 Room W

OLYMPUS CORPORATION Luncheon Seminar

Language: Japanese

Live imaging of intracellular patterning with Olympus confocal technologies

Speaker: Yoshihisa Oda, Ph.D.

Department of Gene Function and Phenomics, National Institute of Genetics

Introduction of FV3000/SpinSR10 confocal microscope

Speaker: Hikaru Mukai

OLYMPUS CORPORATION



FV3000 Confocal Laser Scanning Microscope



SpinSR10 Confocal Super Resolution Microscope

Sponsor: OLYMPUS CORPORATION

OLYMPUS