Symposium Details for GA2026

1. General Information

1-1. Program

The abbreviated program is included in this PDF.

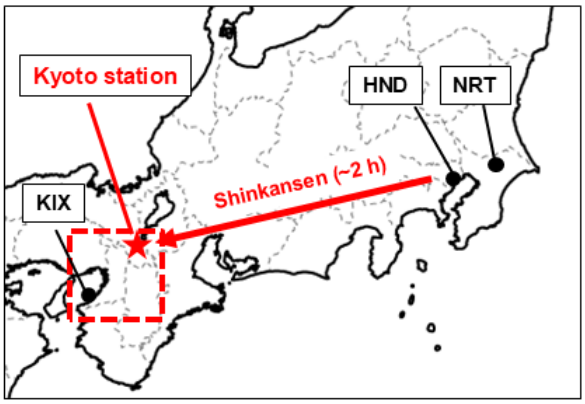
1-2. Abstract Book

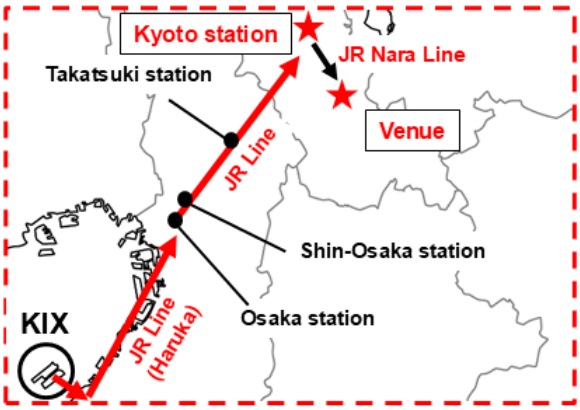
The printed copy of the abstract book will be distributed at registration desk on site.

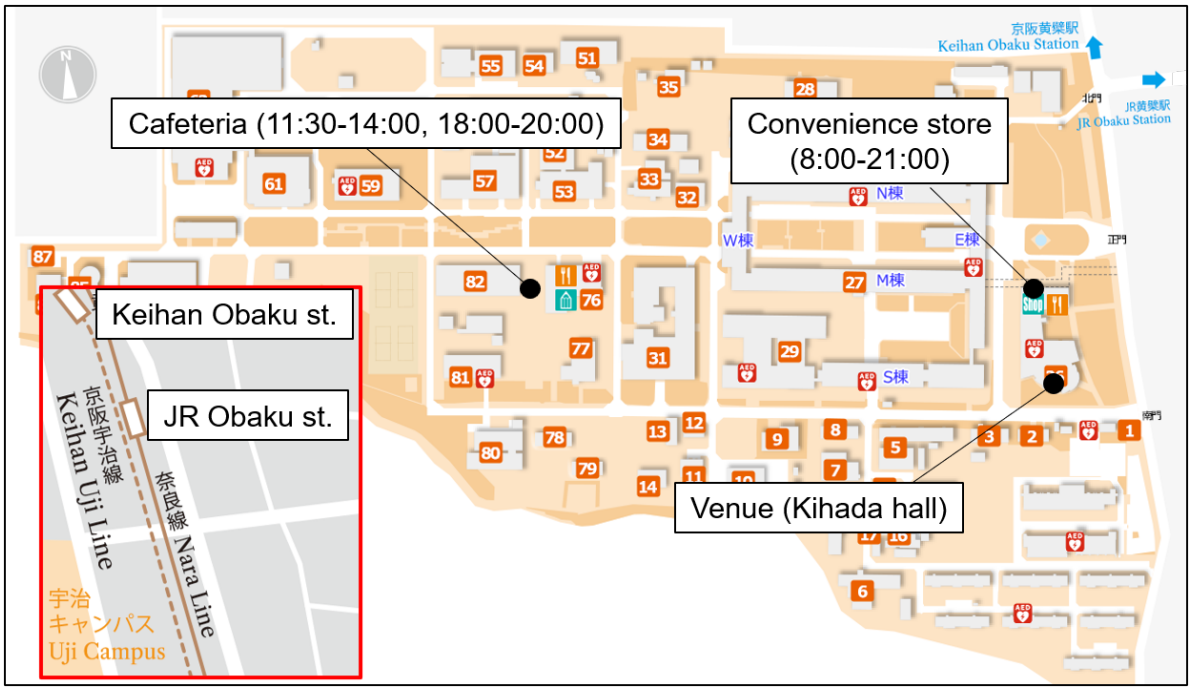
1-3. Venue and Access (Kyoto University, Uji Campus)

- **Venue**: Kyoto University Uji Campus, Obaku Plaza, Kihada Hall
- **Nearest Stations**:
    - JR Nara Line: 6-minute walk from "JR Obaku Station"
    - Keihan Uji Line: 6-minute walk from "Keihan Obaku Station"

○ Travel from major airports and train stations



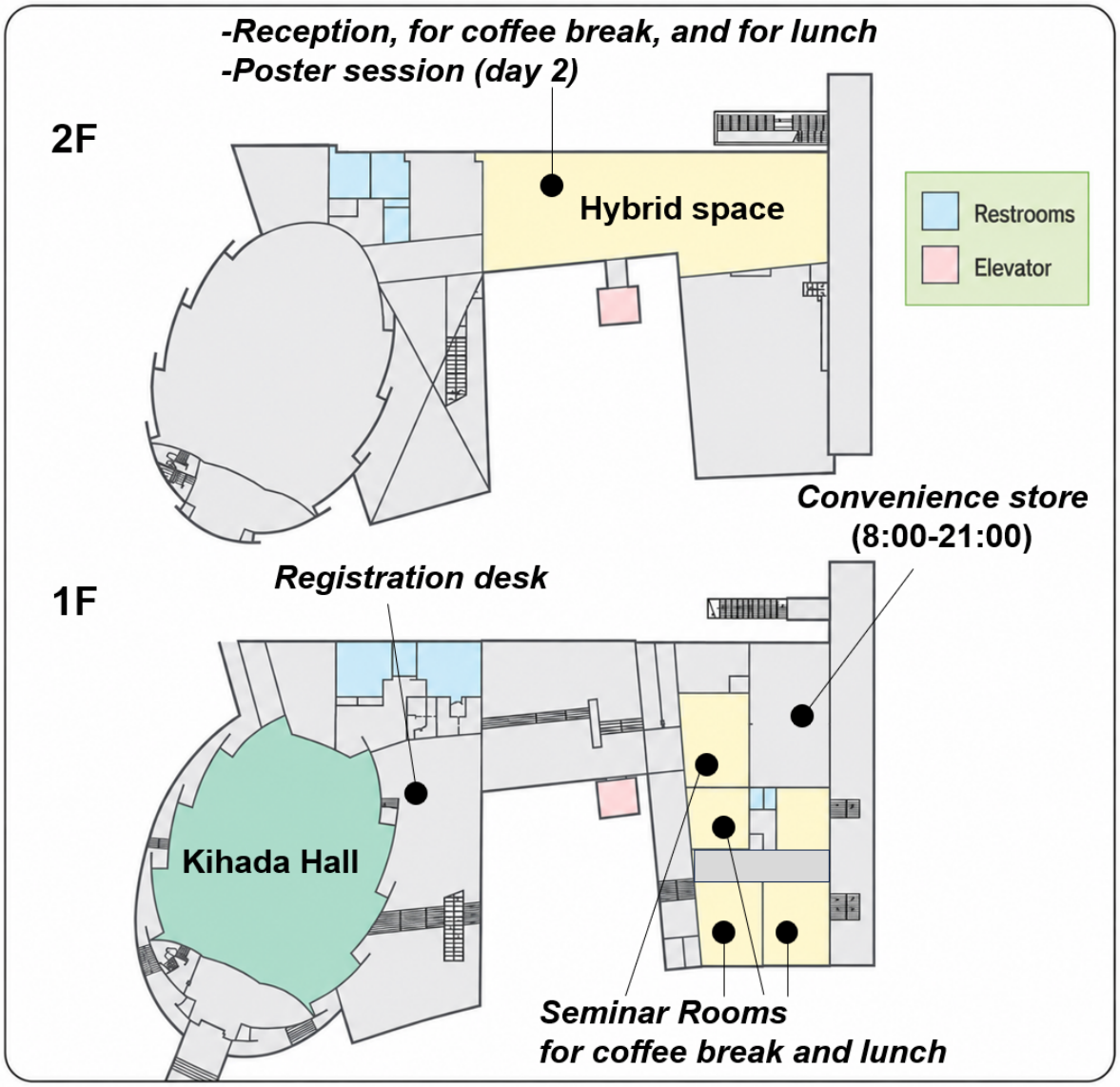




1-4. Campus Map & Facility Usage

- **Main Venue**: Kihada Hall
- **Registration desk / Cloak**: Kihada Hall
- **Reception**: Obaku Plaza, 2nd Floor, Hybrid Space
- **Poster Presentations**: Obaku Plaza, 2nd Floor, Hybrid Space
- **Eating & Drinking Areas**:
    - Obaku Plaza, 2nd Floor, Hybrid Space
    - Obaku Plaza, 1st Floor, Seminar Rooms 1, 2, 4, and 5

  (In Kihada Hall, eating and drinking are prohibited.)



1-5. On-Site Registration

Participants will receive a name tag (badge) and an abstract book at the registration desk on the day of the event. For Day 1, November 25, the desk opens at 9:00.

1-6. Free Wireless LAN (Wi-Fi) Service

- **eduroam**: Wi-Fi service via eduroam (Wi-Fi 5) is available at the venue. Please obtain an eduroam account from your home institution in advance, ensure your PC's OS is up to date, and test the connection before arriving. OS requirements and connection guidelines are available on the website (https://www.eduroam.jp/en).
- **Guest Accounts**: For participants who cannot obtain an eduroam account at their institution, guest accounts will be issued at the Registration Desk.

1-7. Cloak

- If you wish to use the cloakroom, please request it at the registration desk. To retrieve your belongings, please ask the desk staff. Please be sure to pick up your luggage by the following times on each day:
    - **Wednesday, November 25**: 20:00
    - **Thursday, November 26**: 18:00

1-8. Lunch

- **Lunch box distribution**: Lunch boxes will be distributed in the foyer of Kihada Hall on both days of the symposium to participants who ordered in advance.
- **Cafeteria & Convenience Store**:
    - The campus student cafeteria is open from 11:30 to 14:00.
    - The convenience store inside Obaku Plaza is also open from 8:00 to 21:00.
- **Eating & Drinking Areas**: Eating and drinking inside the presentation hall (Kihada Hall) is strictly prohibited. Please use the Hybrid Space on the 2nd floor or the Seminar Rooms 1–5 on the 1st floor in Obaku Plaza for lunch.
- **Trash Disposal**: Please dispose of lunch trash in designated trash bags.

1-9. Reception

- **Date & Time**: Wednesday, November 25, 18:00–20:00
- **Location**: Obaku Plaza, 2nd Floor, Hybrid Space
- **Closing Time**: Due to venue restrictions, the banquet will end at 20:00. We kindly ask all participants to leave the venue by that time.

2. Information for Presenters and Chairs

2-1. Oral Presentations (Invited Talks and Short Talks)

- **Presentation Time**:
  - Invited Talks: 30 minutes (including discussion)
  - Short Talks: 15 minutes (including discussion)
- **Slide Aspect Ratio**: Both 16:9 and 4:3 aspect ratios are acceptable for presentation slides. The aspect ratio of the venue screen is 4:3.
- **Presentation**:
  - Please use your own PC for presentations. Projection will be set up via an HDMI cable.
  - There will be no preview room at this symposium. Instead, test projections will be conducted before each session; please inform the on-site staff when you are ready.
  - A laser pointer will be provided at the lectern.

2-2. Poster Presentations

- **Size**: Since each poster board is 120 × 180 cm (height × width) and will be shared by 2 presenters, posters in A0 size (118.9 × 84.1 cm, height × width) are recommended. Pushpins for mounting will be provided at the venue.
- **Mounting & Removal**: Please mount your poster on the morning of November 25. Please remove your poster after the whole program concludes. Please check your poster number at the end of this PDF.

2-3. Questions and Answers

- Please follow the session chair's instructions during the discussion.
- Please use the venue microphones when asking questions. Staff members will bring a microphone to those who raise their hands.

2-4. Information for Chairs

- Session chairs are requested to notify the venue staff before their assigned session begins.
- Session chairs should manage the session from the designated chair's seat using the microphone provided.

3. Program

3-1: Time Table at a Glance

November 25 (Wednesday)		09:00	Registration Opens
		09:45	Opening Remarks (Shinjiro Yamaguchi)
	Metabolism	09:45 - 10:05	Shinjiro Yamaguchi
		10:05 - 10:35	Theo Lange
		10:35 - 11:05	Maria Pimenta Lange
		11:05 - 11:20	Taiki Inoue (short)
		11:20 - 11:35	Gal Maman (short)
	Development	11:35 - 12:05	Moto Ashikari
		12:05 - 13:25	Lunch
		13:25 - 13:40	Toshiro Ito (short)
		13:40 - 13:55	Zixu Feng (short)
		13:55 - 14:10	Jianyong An (short)
	Localization, Transport & New Technology	14:10 - 14:40	Jayne Griffiths
		14:40 - 15:10	Ondřej Novák
		15:10 - 15:30	Coffee Break
		15:30 - 15:45	Yuichiro Yagami (short)
		15:45 - 16:15	Patrick Achard
		16:15 - 16:45	Eilon Shani
		16:45 - 17:15	Mitsunori Seo
		17:15 - 17:30	Yuuma Ishikawa (short)
		17:30 - 17:45	Ryozo Imai (short)
		18:00 - 20:00	Reception

November 26 (Thursday)	Perception & Signaling	09:30 -10:00	Tai-ping Sun
		10:00 - 10:30	Jutarou Fukazawa
		10:30 - 11:00	Yoshiya Seto
		~~11:00 - 11:15~~	~~Yue Jin (short)~~ [Canceled]
		11:15 - 11:30	Weiqiang Li (short)
	Poster Sessions	11:15 - 12:30	Lunch
		12:30 - 13:15	Poster session (odd number)
		13:15 - 14:00	Poster session (even number)
	Evolution	14:00 - 14:30	Takayuki Kohchi
		14:30 - 15:00	Miguel A. Blázquez
	Agriculture	15:00 - 15:30	Xiangdong Fu
		15:30 - 15:45	Coffee Break
		15:45 - 16:15	Tadao Asami
		16:15 - 16:30	Kai Jiang (short)
		16:30 - 17:00	Peter Hedden
		17:00	Closing Remarks (Shinjiro Yamaguchi)

3-2 Program of the Symposium

Wednesday, November 25

9:00 ***Registration Opens***

9:45 ***Opening Remarks*** *(Shinjiro Yamaguchi)*

Session 1: Metabolism (9:45 – 11:35**)**

(Chair: Shinjiro Yamaguchi)

9:45 **Shinjiro Yamaguchi (Kyoto University, Japan)**
Gibberellins and strigolactones: their chemical diversities and biological functions

10:05 **Theo Lange (Technical University of Braunschweig, Germany)**
Touch-induced *GA2ox7* expression and growth repression do not require MYC2 in *Arabidopsis*

10:35 **Maria Pimenta Lange (Institute for Plant Protection in Horticulture and Urban Green, Julius Kühn Institute, Germany)**
Gibberellin homeostasis and signaling in UV-C-mediated plant development and defense

11:05 **Taiki Inoue (The University of Tokyo, Japan)**
Catalytic diversity of MdDOX-Co homologs in gibberellin metabolism

11:20 **Gal Maman (Tel Aviv University, Israel)**
Identification and characterization of enzymes involved in the glycosylation of gibberellins

Session 2: Development (11:35 – 14:10**)**

(Chair: Moto Ashikari)

11:35 **Moto Ashikari (Nagoya University, Japan)**
Molecular mechanisms coordinating flowering and stem elongation in rice

Lunch (*12:05 – 13:25****)***

13:25 **Toshiro Ito (Nara Institute of Science and Technology, Japan)**
How AGAMOUS generates four long and two short stamens?

13:40 **Zixu Feng (Institute of Science Tokyo, Japan)**
Development of antibody-based single-fluorescent protein biosensors for gibberellin imaging

13:55 **Jianyong An (National University of Singapore, Singapore)**
A mobile DELLA controls *Medicago truncatula* root cortex patterning to host arbuscular mycorrhizal fungi

Session 3: Localization, Transport & New Technology (14:10 – 17:45**)**

(Chair: Patric Achard)

14:10 **Jayne Griffiths (University of Cambridge, UK)**
Gibberellin dynamics during skotomorpogenesis

14:40 **Ondřej Novák (Palacký University & Institute of Experimental Botany, The Czech Academy of Sciences, Czech Republic)**
From tissue to single cells: targeted plant hormonomics (30 min)

Coffee Break (*15:10 – 15:30****)***

15:30 **Yuichiro Yagami (Nagoya University, Japan)**
Synthetic activation of gibberellin signaling reveals spatial coordination of root growth

15:45 **Patrick Achard (Institut de biologie moléculaire des plantes, Centre national de la recherche scientifique, France)**
Transport of endogenously made gibberellins in *Arabidopsis*

(Chair: Eilon Shani)

16:15 **Eilon Shani (Tel Aviv University, Israel)**
Leaf-to-apex gibberellin movement facilitates floral transition in *Arabidopsis thaliana*

16:45 **Mitsunori Seo (University of the Ryukyus, Japan)**
Gibberellin transport and transporters

17:15 **Yuuma Ishikawa (The University of Tokyo, Japan)**
Long distance transport of gibberellin detected by genetically encoded gibberellin biosensor, GAMA3

17:30 **Ryozo Imai (Institute of Agrobiological Sciences, National Agriculture and Food Research Organization, Japan)**
Introduction of a second 'Green Revolution' mutation into wheat via *in planta* CRISPR/Cas9 delivery

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Reception (18:00 – 20:00***)***

Thursday, November 26

Session 4: Perception & Signaling (9:30 – 11:30**)**

(Chair: Tai-ping Sun)

9:30 **Tai-ping Sun (Duke University, USA)**
TurboID reveals a broad DELLA transcriptional network and regulation by CDK8

10:00 **Jutarou Fukazawa (Hiroshima University, Japan)**
DELLA-GAF1 regulates plant growth through transcriptional activation of multiple growth repressor genes

10:30 **Yoshiya Seto (Meiji University, Japan)**
Identification of seed germination stimulants for root parasitic plants produced by *Gibberella fujikuroi*

~~11:00~~ ~~**Yue Jin (Shanghai Normal University, China)**~~ **[Canceled]**
~~GA signaling controls rice male reproductive development and identification of a new component in GA signaling~~

11:15 **Weiqiang Li (Northeast Institute of Geography and Agroecology, Chinese Academy of Sciences, China)**
Discovery of specific rhizosphere bacteria *Rhodanobacter* involved in KAI2-mediated drought tolerance in *Arabidopsis*

Lunch (*11:30 – 12:30****)***

Poster session (12:30-14:00)

12:30 - 13:15 **Odd Number**

13:15 – 14:00 **Even Number**

Session 5: Evolution (14:00 – 15:00**)**

(Chair: Takayuki Kohchi)

14:00 **Takayuki Kohchi (Kyoto University, Japan)**
Diversity and evolution of GA-related signaling pathways: GA_{Mp} mediates far-red light responses in *Marchantia polymorpha*

14:30 **Miguel A. Blázquez (Instituto de Biologia Molecular y Celular de Plantas (IBMCP), CSIC–Universitat Politècnica de València, Spain)**
The many lives of DELLA proteins: evolution and functional diversification

Session 6: Agriculture (15:00 – 17:00**)**

(Chair: Peter Hedden)

15:00 **Xiangdong Fu (Institute of Genetics and Developmental Biology, Chinese Academy of Sciences, China)**

Reprogramming gibberellin–DELLA signaling for high yield and nitrogen efficiency

Coffee Break (*15:30 – 15:45****)***

15:45 **Tadao Asami (The University of Tokyo, Japan)**

Chemical regulation of GA functions by DREADD

16:15 **Kai Jiang (Yunnan University, China)**

Developing chemical regulators targeting gibberellin

16:30 **Peter Hedden (Rothamsted Research, UK & Institute of Experimental Botany, Czech Academy of Sciences, Czech Republic)**

A career in gibberellin research: from chemistry to molecular biology and genetics

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17:00 ***Closing Remarks*** *(Shinjiro Yamaguchi)*

3-3: Poster Presentations (* giving a short talk)

Thursday, November 26 (12:30 – 14:00; Obaku Plaza, Hybrid Space)

P-01* **Taiki Inoue (The University of Tokyo, Japan)**
Catalytic diversity of MdDOX-Co homologs in gibberellin metabolism

P-02* **Gal Maman (Tel-Aviv University, Israel)**
Identification and characterization of enzymes involved in the glycosylation of gibberellins

P-03* **Toshiro Ito (Nara Institute of Science and Technology, Japan)**
How AGAMOUS generates four long and two short stamens?

P-04* **Zixu Feng (Institute of Science Tokyo, Japan)**
Development of antibody-based single-fluorescent protein biosensors for gibberellin imaging

P-05* **Jianyong An (National University of Singapore, Singapore)**
A mobile DELLA controls *Medicago truncatula* root cortex patterning to host arbuscular mycorrhizal fungi

P-06* **Yuichiro Yagami (Nagoya University, Japan)**
Synthetic activation of gibberellin signaling reveals spatial coordination of root growth

P-07* **Yuuma Ishikawa (The University of Tokyo, Japan)**
Long distance transport of gibberellin detected by genetically encoded gibberellin biosensor, GAMA3

P-08* **Ryozo Imai (Institute of Agrobiological Sciences, National Agriculture and Food Research Organization, Japan)**
Introduction of a second 'Green Revolution' mutation into wheat via *in planta* CRISPR/Cas9 delivery

~~**P-09*** **Yue Jin (Shanghai Normal University, China)**~~ **[Canceled]**
~~GA signaling controls rice male reproductive development and identification of a new component in GA signaling~~

P-10* **Weiqiang Li (Northeast Institute of Geography and Agroecology, Chinese Academy of Sciences, China)**
Discovery of specific rhizosphere bacteria *Rhodanobacter* involved in KAI2-mediated drought tolerance in *Arabidopsis*

P-11* **Kai Jiang (Yunnan University, China)**
Developing chemical regulators targeting gibberellin

P-12 **Sayaka Takehara (GRA&GREEN Inc., Japan)**
Mechanisms underlying the selective inhibition of rice gibberellin biosynthetic and metabolic enzymes by plant growth regulators

P-13 **Ursula Rácová (Institute of Experimental Botany of the Czech Academy of Sciences, Czech Republic)**
Early hormonal, oxidative, and pigment dynamics in common wheat seedlings under osmotic stress

P-14 **Tereza Miksteinova (Institute of Experimental Botany of the Czech Academy of Sciences, Czech Republic)**
Gibberellins under pressure: early seedling responses to osmotic stress

P-15 **Hazuki Shigenaka (Nagoya University, Japan)**
Molecular basis of changes in GA sensitivity of rice stems during the vegetative and reproductive growth phases: identification of the regulatory factor "*Stemelin*"

P-16 **Mio Mizushima (Nagoya University, Japan)**
Gibberellin-mediated regulation of inflorescence stem elongation in *Arabidopsis*

P-17 **Sanae Kaneta (The University of Osaka, Japan)**
Polar auxin transport regulates initial auxin patterning and polar nuclear migration during lateral root initiation

P-18 **Tomoaki Sato (Kyoto University, Japan)**
Bacteria-mediated diversification of signaling molecules in rhizosphere

P-19 **Weidong Han (Kyoto University, Japan)**
Glycitein as a potential plant-derived signal for microbial crosstalk in the soybean rhizosphere

P-20 **Hideki Yoshida (Fukushima University, Japan)**
The rice SPINDLY functions as an O-fucosyltransferase acting on the DELLA protein, SLENDER RICE1

P-21 **Hiroki Ando (Hiroshima University, Japan)**
Analysis of DELLA-mediated transcriptional activation through the interaction with HAC1

P-22 **Hiroto Yamashita (Hiroshima University, Japan)**
A circadian clock regulator interacts with DELLA and regulates GA biosynthesis for hypocotyl elongation

P-23 **Eita Shimokawa (Tohoku University, Japan)**
Unveiling a GRAS protein in GA_{Mp}-mediated far-red light signaling in *Marchantia polymorpha*

P-24 **Maiko Okabe (Kyoto University, Japan)**
Elucidating the gibberellin biosynthetic pathway through KAO-like oxidase diversity in the liverwort *Marchantia polymorpha*

P-25 **Ryuki Kitao (Kyoto University, Japan)**
Functional analysis of an uncharacterized cytochrome P450 that regulates the far-red light response mediated by GA-related compounds in the liverwort *Marchantia polymorpha*

P-26 **Takuya Segawa (Kyoto University, Japan)**
GA-related compounds regulate plant growth by modulating cytokinin levels in *Marchantia polymorpha*

P-27 **Kentaro Sasaki (Institute of Agrobiological Sciences, National Agriculture and Food Research Organization, Japan)**
Development of pre-harvest sprouting-resistant elite wheat lines using the DNA-free iPB genome editing method and analysis of the mechanism underlying delayed germination

P-28 **Daisuke Ogawa (Institute of Crop Science, National Agriculture and Food Research Organization, Japan)**
The hidden partner of *sd1: GNP1/GA20ox1* copy number variation contributing to high-yield rice breeding

P-29 **Miho Ikeda (Fukui Prefectural University, Japan)**
Cultural selection of an extreme gibberellin-deficient phenotype in tororo-aoi, a traditional papermaking crop in Japan

P-30 **Hikaru Ishikawa (Osaka Metropolitan University, Japan)**
NAC transcription factors associated with high gibberellin sensitivity in table grapes