

# 16<sup>th</sup> PSJ Plant Virus Disease Workshop

## The Interface between plant and fungal viruses III

Day 1, March 29, 2025

9:00-9:15 a.m.	Registration (The museum opens at 9:00)
9:15-9:20 a.m.	Opening remark
9:20-9:50 a.m.	<b>Keynote Lecture</b> “Antiviral defense and counter-defense strategies in insects” <b>Raul ANDINO</b> (UCSF, US)
	<b>S1 Chairperson: Kenji NAKAHARA (Hokkaido University, JP)</b>
9:50-10:15 a.m.	“AGO5 restricts virus vertical transmission in plant gametes” <b>Marco INCARBONE</b> (Max Planck Institute of Molecular Plant Physiology, DE)
10:15-10:40 a.m.	“Plant modifies fungal non-self recognition to facilitate mycovirus transmission” <b>Jiatao XIE</b> (Huazhong Agricultural University, CN)
10:40-11:10 a.m.	=====Coffee Break=====
	<b>S2 Chairperson: Yutaro NERIYA (Utsunomiya University, JP)</b>
11:10-11:30 a.m.	“Potexvirus-mediated delivery of CRISPR-Cas9 components for transgene-free multiplexed genome editing in plants” <b>Ying Wen HUANG</b> (National Chung Hsing University, TW)
11:30-11:50 a.m.	“Host ESCRT components are required for TSWV ribonucleoprotein complex formation in the yeast replicon system” <b>Kazuhiro ISHIBASHI</b> (Institute of Agrobiological Sciences NARO, JP)
11:50-12:10 a.m.	“Facilitative effect of tobacco remorin NtREM1.2 on intercellular movement of plant viruses of different genera” <b>Nobumitsu SASAKI</b> (Tokyo University of Agriculture and Technology, JP)
12:10-12:30 a.m.	“Rab proteins involved in intracellular movement of bamboo mosaic virus RNA in <i>Nicotiana benthamiana</i> ” <b>Chi-Ping CHENG</b> (Tzu Chi University, TW)
12:30-13:30 p.m.	=====Lunch=====
13:20-14:05 p.m.	<b>Poster Presentation</b> (Conference Room 2)
	<b>S3 Chairperson: Kazuyuki MISE (Kyoto University, JP)</b>
14:10-14:30 p.m.	“Endornaviruses in rice, malabar spinach, and <i>Phytophthora</i> spp.: Epigenetic factors Influencing host growth and development” <b>Hiromitsu MORIYAMA</b> (Tokyo University of Agriculture and Technology, JP)
14:30-15:00 p.m.	“Deep insights into biogenesis of tombusvirus replication organelles” <b>Peter D. NAGY</b> (University of Kentucky, US)
15:00-15:25 p.m.	“The role and diversity of plant antiviral jacalin genes” <b>Yasuyuki YAMAJI</b> (University of Tokyo, JP)

15:25-15:45 p.m. =====Coffee Break=====

**S4 Chairperson: Yosuke MATSUSHITA (NARO, JP)**

15:45-16:10 p.m. “Genome and virulence evolution mediated by *Starship* giant transposons in a plant pathogenic fungus”

**Yukiyo SATO** (University of Koeln, DE)

16:10-16:35 a.m. “Plant antiviral defense: Coordination of salicylic acid immunity and RNAi by stress-associated proteins”

**Hsin-Hung YEH** (ABRC, Academia Sinica, TW)

**17:30-20:30 p.m. Mixer at Shinkei-en (新溪園)**

**Day 2, March 30, 2025**

**S5 Chairperson: Hideki KONDO (IPSR, Okayama University, JP)**

9:10-9:35 a.m. “Cross-kingdom transmission of viruses between plant and fungus; What has been known so far ? ”

**Liying SUN** (Northwest A&F University, CN)

9:35-10:05 a.m. “Hostile takeover – Viral strategies to hijack a plant”

**Rosa LOZANO-DURAN** (Eberhard Karls University, DE)

10:05-10:25 a.m. “Mechanism of SsHADV1-induced hypovirulence on *Sclerotinia sclerotiorum*”

**Aur lie RAKOTONDRAFARA** (University of Wisconsin-Madison, US)

10:25-10:45 a.m. “Live-Cell imaging of a plant virus replicase during infection using a genetically encoded, antibody-based probe”

**Ken KOMATSU** (Tokyo University of Agriculture and Technology, JP)

10:45-11:15 a.m. =====Coffee Break & Poster Viewing=====

**S6 Chairperson: Kiwamu HYODO (IPSR, Okayama University, JP)**

11:15-12:35 a.m. “Role of chloroplast-localized editosome in negatively regulating bamboo mosaic virus RNA replication”

**Ching-Hsiu TSAI** (National Chung Hsing University, TW)

11:35-12:05 a.m. “The epitranscriptomic methylation components have a profound effect on the infection cycle of a plant RNA virus.”

**Vicente PALLAS** (IBMCP, CSIC-UPV, ES)

12:05-12:30 p.m. “At the crossroad between organelle perturbation and immunity – Selective autophagy senses viral replication to control plant cell death”

**Marion CLAVEL** (Max Planck Institute of Molecular Plant Physiology, DE)

12:30-12:55 p.m. “Cryphonectria hypovirus 1 p29 modulates ROS levels to induce the autophagic degradation of dicer and argonaute proteins”

**Ida Bagus ANDIKA** (NWAFU, CN)

## Poster Session

Conference Room 2

Presentation March 29 13:30-14:10 p.m.

Poster Viewing March 30 11:05-11:35 a.m.

**P1** “Training a traitor RNA to disrupt a majority decision system of a plant RNA virus.”

**Shuhei MIYASHITA** (Tohoku University, JP)

**P2** “Detection of an uncharacterized mycovirus that potentially changes lifestyles of plant pathogenic fungus *Colletotrichum higginsianum*”

**Ren UJIMATSU** (The University of Tokyo, JP)

**P3** “A mycovirus shuttles between *Sclerotinia sclerotiorum* and its Mycoparasite *Coniothyrium minitans*”

**Hongyan DU** (Huazhong Agricultural University, CN)

**P4** “A mutualistic relationship between a fungal endornavirus and phytopathogenic fungus *Rhizoctonia solani*”

**Tianxing PANG** (Northwest A&F University, CN)

**P5** “Bamboo mosaic virus hitchhikes a ride on clathrin-coated vesicles for cell-to-cell movement”

**Pei-Yu HOU** (Tzu Chi University, TW)

**P6** “Fungal invasion-induced accumulation of salicylic acid promotes anthocyanin biosynthesis through MdNPR1-MdTGA2.2 module in apple fruits”

**Zhenlu ZHANG** (IPSR, Okayama University, JP)

**P7** “The endophytic fungus *Penicillium pinophilum* in a tripartite interaction confers protection to host plants against cucumber mosaic virus”

**Sarah IBIANG** (IPSR, Okayama University, JP)

**P8** “A capsidless (+)RNA yadokarivirus hosted by a dsRNA virus is infectious as particles, cDNA, and dsRNA”

**Muhammad FADLI** (IPSR, Okayama University, JP)

**P9** “Discovery of icosahedral virion of a novel “Flexivirus”-Related virus sheds light on evolutionary trajectories of coat proteins of *Tymovirales*”

**Chien-Fu WU** (USDA-ARS ORISE, US)

**P10** “A hypovirulent strain of *Sclerotinia sclerotiorum* with three mycoviruses have potential to develop a virocontrol agent”

**Weimeng LI** (Huazhong Agricultural University, CN)

**P11** “TBA”

**Midori TABARA** (Ritsumeikan University, JP)

**Date:** March 29-30, 2025

**Place:** Auditorium of the Kurashiki City Art Museum (倉敷市立美術館)  
(<https://www.city.kurashiki.okayama.jp/kcam/index.html>)

**Local Organizing Committee:** Nobuhiro Suzuki ([nsuzuki@okayama-u.ac.jp](mailto:nsuzuki@okayama-u.ac.jp))

Access to the venue

**Access:** 15 minutes walk from the south gate of JR Kurashiki Station

**By bus:** From Kurashiki Station

Ryobi Bus / No. 3 bus stop bound for Yoshioka,

Ryobi Bus / No. 4 bus stop bound for Otaka,

Shimoden Bus / No. 5 bus stop

(Shio Line)

(Chayamachi / Aeon Mall Kurashiki Line)

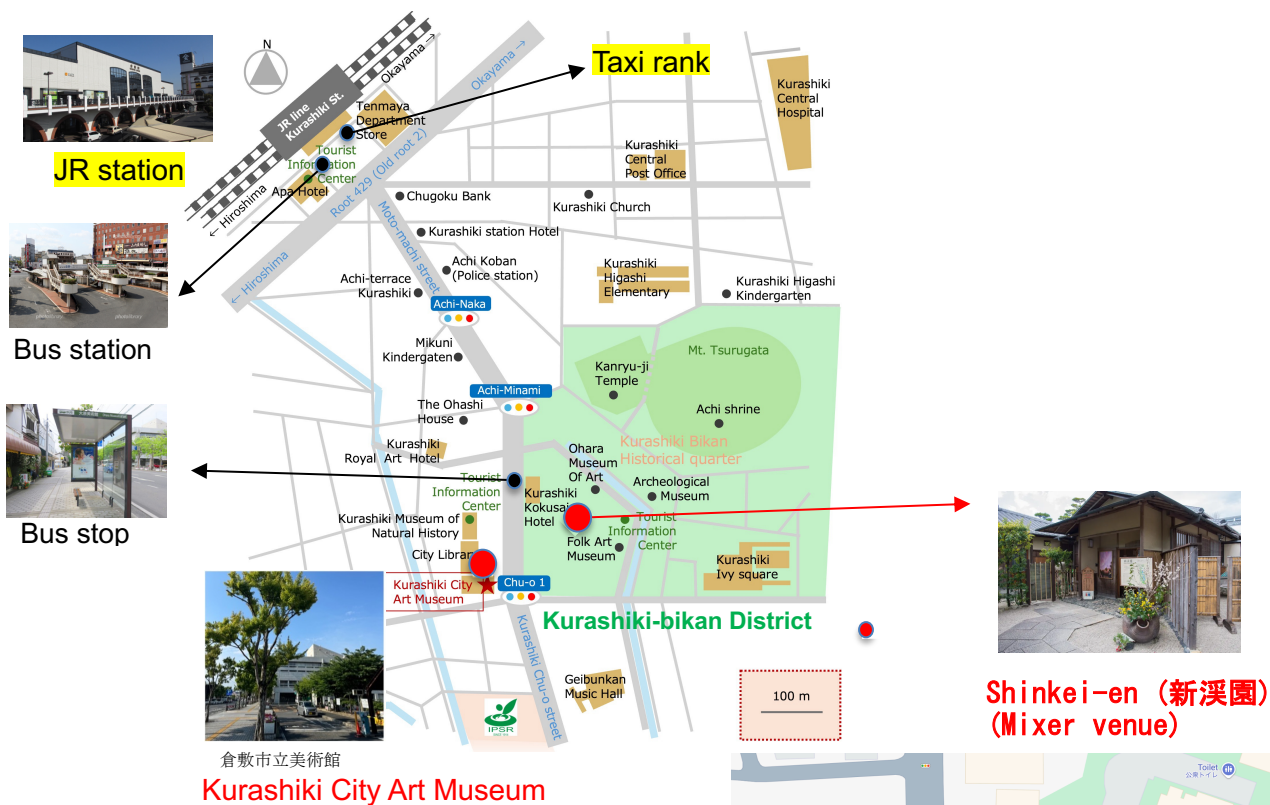
Get off in front of **Ohara Museum of Art** at all lines, 1 minute walk

### By car

Approximately 15 minutes from Kurashiki IC on the Sanyo Expressway

Approximately 15 minutes from Hayashima IC on the Sanyo Expressway

Please use the paid parking lots in the surrounding area.



## The Kurashiki City Art Museum 3F

