

Timetable

Program at a Glance

[PL] Plenary Lecture

[AL] Award Lecture

[SPORE] Student & Postdoc Research Excellence

[CS] Concurrent Session

[SS] Special Session

Oct 21 (Tue)

Time	B Hall	A Hall
10:00~12:00	KSPP Committee Meeting	
12:00~13:00	Break	
18:00~20:00	KSPP Mixer (Invited only)	

Oct 22 (Wed)

Time	B Hall	A Hall
09:00~12:00	Plant Virus Disease Symposium	
13:00~13:20	Opening Ceremony	
13:20~14:00	PL1 B Hall Doil Choi (Seoul National University)	
14:00~14:40	PL2 B Hall Martin I. Chilvers (Michigan State University)	
14:40~15:00	Break	
15:00~15:20	Special Session B Hall Ki-Hong Jung (Kyung Hee University) KOR	
15:20~17:00	CS1 Molecular Plant-Microbe Interaction	CS2 Startups in Plant Pathology KOR
17:00~17:10	Group Photograph	
17:10~17:40	Council Meeting	
17:40~18:40	Poster Presentation 1 [Odd Number]	

The 2025 KSPP FALL INTERNATIONAL CONFERENCE

Oct 23 (Thu)

Time	B Hall	A Hall
09:00~09:30	PL3 B Hall Hokyong Son (Seoul National University)	
09:30~10:00	PL4 B Hall Seon-Woo Lee (Dong-A University)	
10:00~10:20	Break	
10:20~10:50	Contest KOR	
10:50~11:30	AL B Hall Yong-Hwan Lee (Seoul National University) KOR ENG	
11:30~13:00	Break	
13:00~14:30	CS3 Phytobiome	CS4 Recent Advances in Plant Protection KOR ENG
14:30~14:50	Break	
14:50~16:30	CS5 Biology of Plant Pathogens	CS6 Plant Quarantine KOR
16:30~17:00	Break	
17:00~18:10	Poster Presentation 2 [Even number]	
18:10~18:30	General Assembly Meeting	
18:30~20:00	Banquet	

Oct 24 (Fri)

Time	B Hall	A Hall
09:00~10:00	CS7 SPORE(1)	CS8 SPORE(2) KOR
10:00~10:20	Break	
10:20~11:20	CS9 SPORE(3)	CS10 SPORE(4) KOR
11:20~11:40	Break	
11:40~12:10	PL5 B Hall Jang Hoon Lee (BASF Korea) KOR	
12:10~12:40	Closing Ceremony	-

Program

Oct. 22 (Wed)

Plenary Lecture 1

B Hall

Chair. Prof. Hye-Young Lee (Gyeongsang National University)

13:20~14:00 **Nonhost Resistance in Solanaceae Plants**
Prof. Doil Choi (Seoul National University)

Plenary Lecture 2

B Hall

Chair. Prof. Hyunkyu Sang (Chonnam National University)

14:00~14:40 **Field Crop Disease Management in the United States – Adapting to Evolving Pathogens, Climate, and Cropping Systems**
Prof. Martin I. Chilvers (Michigan State University, USA)

Special Session KOR

B Hall

Chair. Prof. Chang-Sik Oh (Seoul National University)

15:00~15:20 **Current Status and Prospects of Basic Research Support by the Life Sciences Division of the National Research Foundation of Korea**
Prof. Ki-Hong Jung (Kyung Hee University)

Concurrent Session 1: Molecular Plant-Microbe Interaction

B Hall

Chair. Prof. Hee Jin Park (Chonnam National University)

15:20~15:45 **Effector-Triggered Protein Networks Drive pH Manipulation and Hormonal Disruption in *Valsa mali* Pathogenesis**
Prof. Liangsheng Xu (Northwest A&F University, China)

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15:45~16:10	Elucidating PR1-mediated Plant-Fungus Interactions Prof. Jingtao Li (Qingdao Agricultural University, China)
16:10~16:35	Functional Profiling of Haustorium-Derived Effectors via Yeast cDNA Library Screening: Deciphering Virulence Strategies in Wheat Powdery Mildew Prof. Peng Cheng (Northwest A&F University, China)
16:35~17:00	Leveraging TAL Effectors to Identify <i>Pseudomonas</i> Effector-Targeted Plant Cells in the Spatially Coordinated Context of ETI Dr. Haseong Kim (University of Tübingen, Germany)

Concurrent Session 2: Startups in Plant Pathology KOR

A Hall

Chair. Prof. Jin-Cheol Kim (Chonnam National University)

15:20~15:45	Obtaining Government Funding Strategy for Beginning Stage Startup Tae Gyu Han (UNIST Holdings)
15:45~16:10	Fundraising Strategy for Early Startup Company Tae Gyu Han (UNIST Holdings)
16:10~16:35	Investment Trend and Case Study in Plant Industry Jun hyun Lim (PathfinderH)
16:35~17:00	Application of Molecular Diagnostic Technologies for the Detection of Agricultural and Vector-Borne Pathogens: The InVirusTech Approach Kibeom Park (INVIRUSTECH)

Plant Virus Disease Symposium 1

A Hall

Chair. Prof. Ju-Yeon Yoon (Jeonbuk National University)

08:30~09:10	Registration
09:10~09:20	Opening



09:20~09:50	Environmental Aspects of Plant Virus Transmission and dsRNA-based Control Approaches Prof. Rae-Dong Jeong (Chonnam National University)
09:50~10:05	Topical Application of Ecofriendly Nanoparticle-derived dsRNA-nanocomposites for the Control of Pepper Mottle Virus Min-Jae Kim (Chonnam National University)
10:05~10:20	Screening Strategy for Novel Antivirals: In Silico and In Vitro Validation of DHA against PVY and CMV Mina Park (Jeonbuk National University)

Plant Virus Disease Symposium 2

A Hall

Chair. Prof. Jang Kyun Seo (Seoul National University)

10:40~10:55	Development and Application of a Nanovirus Infection System for Studying Molecular Pathogenesis Muhammad Amir Qureshi (Gyeongbuk National University)
10:55~11:10	The Virus's Tiny Companion: The Secret Life of Cucumber Mosaic Virus Satellite RNA Dongjoo Min (Kangwon National University)
11:10~11:25	The Impact of Effect of CIPK10, a Calcium-regulated Kinase, on the Resistance Response to the Soybean Mosaic Virus Huong Cam Chu (Seoul National University)
11:25~11:40	Development of Large-Scale Sample Virus Detection Methods for Supplying High-Quality Soybean Seeds Yeong Hwan Jeon (Kyungpook National University)
11:40~11:55	Closing Ceremony & Commemorative Photograph
11:55~13:00	Lunch

The 2025 KSPF FALL INTERNATIONAL CONFERENCE

Oct. 23 (Thu)

Plenary Lecture 3

B Hall

※ KSPF Young Plant Pathologist Award Lecture

Chair. Prof. Cécile Segonzac (Seoul National University)

09:00~09:30 Integrated Molecular Approaches for Exploring Development and Virulence in *Fusarium* spp.

Prof. Hokyoung Son (Seoul National University)

Plenary Lecture 4

B Hall

Chair. Prof. Hyun Gi Kong (Chungbuk National University)

09:30~10:00 Invisible Alliances: Microbial Interactions Orchestrating Plant Microbiome Function

Prof. Seon-Woo Lee (Dong-A University)

Contest KOR

B Hall

Chair. Prof. Hokyoung Son (Seoul National University)

10:20~10:50 Plant Disease Diagnosis Contest Using Symptom Images

식물병징 사진을 이용한 식물병 진단 경진대회

Award Lecture ENG KOR

B Hall

Chair. Prof. Sook-Young Park (Sunchon National University)

10:50~11:30 The Rice Blast Fungus, *Magnaporthe oryzae*: Biology and Beyond

Prof. Yong-Hwan Lee (Seoul National University)

B Hall

Concurrent Session 3: Phytobiome**Chair.** Prof. Kihyuck Choi (Dong-A University)

- 13:00~13:25 **Spermosphere Microbial Assembly in Seedling Establishment**
Prof. Zachary Noel (Auburn University, USA)
- 13:25~13:50 **Leaf-Inhabiting Lichen *Strigula* and Its Effects on Host Foliar Mycobiomes**
Prof. Seungyoon Oh (Changwon National University)
- 13:50~14:10 **Seed Microbiome and Associated Bacteria Confer Seed Rot Resistance to Soybean Red Crown Rot**
Prof. Ping-Hu Wu (National Pingtung University of Science and Technology, Taiwan)
- 14:10~14:30 **The Microbiome of *Zoysia japonica*: Diversity and Antifungal Properties of Rhizospheric and Endophytic Microbes**
Prof. Haifeng Liu (Yangtze University, China)

A Hall

Concurrent Session 4: Recent Advances in Plant Protection ENG KORCo-organized by National Institute of Agricultural Sciences  국립농업과학원**Chair.** Prof. Seung-Yeol Lee (Kyungpook National University)

- 13:00~13:25 **The Genetic Basis of Begomovirus Resistance in Pepper and its Application to Breeding**
Prof. Sota Koeda (Kindai University, Japan)
- 13:25~13:50 **Tackling Dollar Spot: Practical Management of Turfgrass's Most Economically Significant Fungal Disease**
Prof. Geunhwa Jung (University of Massachusetts, Amherst, USA)
- 13:50~14:10 **Resistance to diamide insecticides in plant virus vector, *Bemisia tabaci*, mediated by phase I and phase II detoxification enzymes**
Prof. Lei Li Guo (Qingdao Agricultural University, China)
- 14:10~14:30 **Genetic Diversity and Antibiotic Resistance of *Erwinia amylovora* Causing Fire Blight in Korea**
Dr. Hyeonheui Ham (Rural Development Administration)

Concurrent Session 5: Biology of Plant Pathogens

B Hall

Chair. Prof. Kyunghun Min (Pukyong National University)

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| 14:50~15:15 | Diversity of Plasmid Composition and Plasmid-Borne Virulence Genomic Islands in <i>Clavibacter michiganensis</i> to Determine Virulence in Host Plants
Prof. Chang-Sik Oh (Seoul National University) |
| 15:15~15:40 | Rhizoctonia Genomics: From Sclerotia Formation to Fungicide Resistance to Innovate Disease Management
Prof. Hao-Xun Chang (National Taiwan University, Taiwan) |
| 15:40~16:05 | Unlocking Fungal Biosynthetic Potential for Sustainable Biopesticide Development
Prof. Wonyong Kim (Chonnam National University) |
| 16:05~16:30 | Diversity of <i>Alternaria</i> species associated with Solanaceae in China
Prof. Jianxin Deng (Yangtze University, China) |

Concurrent Session 6: Plant Quarantine KOR

A Hall

Co-organized by Animal and Plant Quarantine Agency  농림축산검역본부

Chair. Prof. Eui-Joon Kil (Gyeongbuk National University)

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| 14:50~15:15 | Introduction of the Biosafety-Level 3 Facility for Plant Quarantine Pathogens Research and its Usage
Dr. Seong-Jin Lee (Animal and Plant Quarantine Agency) |
| 15:15~15:40 | Developing Reference Materials for Better Quarantine of High-Risk Plant Viruses
Prof. Eui-Joon Kil (Gyeongbuk National University) |
| 15:40~16:05 | Morphological and Genetic Identification Platform for Plant Quarantine of Fungi and Oomycota
Prof. Young-Joon Choi (Kunsan National University) |
| 16:05~16:30 | IPPC Plant Health Campus: A Global Platform for Strengthening Phytosanitary Capacity
Dr. Mi Chi Yea (Animal and Plant Quarantine Agency) |



Oct. 24 (Fri)

Concurrent Session 7: SPORE 1**B Hall****Chair.** Prof. Ki-Tae Kim (Sunchon National University)

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| 09:00~09:15 | Actinobacterial Synthetic Community Alters the Rhizosphere Microbiota and Enhance the Tomato Health
Manigundan Kaari (Dong-A University) |
| 09:15~09:30 | The Rice Transcription Factor bHLH1 Coordinates Immune Responses and Growth Regulation Through Partner-Dependent Interactions
Oh-Kyu Kwon (Sejong University) |
| 09:30~09:45 | Interplay Between Bacterial Volatiles and Root Exudates Modulates Plant Growth and Immunity Under Pathogen Infection
Anahita Barghi (Dong-A University) |
| 09:45~09:55 | Overview of the Genus <i>Pseudocercospora</i> on Vitaceous Plants in Korea with Introduction of <i>Pseudocercospora neovitis</i> sp. nov
Ardhianita Indi Nur Aida (Jeonbuk National University) |
| 09:55~10:05 | The Genus <i>Colletotrichum</i> in Korea: Multilocus phylogenetic Analyses and Host Plant Investigation
Le Dinh Thao (Rural Development Administration) |

Concurrent Session 8: SPORE 2**KOR****A Hall****Chair.** Prof. Heonil Kang (Pusan National University)

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| 09:00~09:15 | Selective Disruption of Immune Receptor Trafficking by the <i>Shigella</i> Effector VirA through Targeting of <i>Arabidopsis</i> PRA1.F3
Sung Hee Jo (Korea Research Institute of Bioscience and Biotechnology) |
| 09:15~09:30 | CRISPR-based Biosensor Coupled with RPA for Precise Detection of Fire Blight
Jiyun Moon (Gyeongsang National University) |
| 09:30~09:40 | Comparative Evaluation of Multiplex qPCR and MIRA-LFA for the Simultaneous Detection of <i>Heterodera trifolii</i> and <i>Heterodera schachtii</i>
Donggi Hong (Chungnam National University) |

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09:40~09:50	Comprehensive Functional Analysis of Peptidase G1 in <i>Cryphonectria parasitica</i> Geonmin Kim (Jeonbuk National University)
09:50~10:00	Bacterial Community Structure and Interspecies Competition in Fire Blight-Associated Cankers During Winter Eon-Jin Jo (Kangwon National University)

Concurrent Session 9: SPORE 3

B Hall

Chair. Prof. Jae Hoon Lee (Seoul National University)

10:20~10:35	Targeting Histidine Kinases: A Novel Mechanism of Resveratrol Oligomers in Plant Protection Ji Eun Kang (Michigan State University, USA)
10:35~10:50	Chloroplast-to-Nucleus Communication: Unraveling Protein Translocation and Immune Response Regulation Seungmee Jung (University of Wyoming, USA)
10:50~11:00	Mutation of Receptor-Like Cytoplasmic Kinase Confers Resistance on Soybean Plants (<i>Glycine max</i>) to <i>Pseudomonas syringae</i> pv. <i>syringae</i> B728a Infection Do Hui Lee (Dong-A University)
11:00~11:10	Role of Photolyase in Stress Tolerance and Virulence of Plant-pathogenic Bacterium <i>Pseudomonas cichorii</i> JBC1 Nguyen Van Khanh (Jeonbuk National University)
11:10~11:20	Utilization Pre-trained CNN Models for Plant Diseases Classification Ha Jung Kim (Jeonbuk National University)

Concurrent Session 10: SPORE 4 KOR

A Hall

Chair. Prof. Hangil Kim (Kangwon National University)

10:20~10:35	Temperature-Dependent Modulation of Photosynthesis-Related Gene Expression in Soybeans Co-infected with Soybean Mosaic Virus and Soybean Yellow Mottle Mosaic Virus Jisoo Park (Kangwon National University)
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10:35~10:50	Development and Application of a Fungicide Resistance Model for Pepper Anthracnose Pathogen, <i>Colletotrichum scovillei</i> Jeong Hyeon Byeon (Seoul National University)
10:50~11:00	Plasma Membrane Localized Potato NLR Rpi-vnt1.1 Associates with Dynamin-Heat Shock Protein Complex to Confer Resistance Against <i>Phytophthora infestans</i> Solhee In (Seoul National University)
11:00~11:10	Classification of NCPMS Rice Panicle Blast Data for Improved Analytic Efficiency and Ecological Interpretation Euntaek Hwang (Seoul National University)
11:10~11:20	4D-DIA Proteomics Reveals Isotianil-Induced Priming in Rice Immunity Su Yeon Jeon (Pusan National University)

Plenary Lecture 5 KOR

B Hall

Chair. Prof. Chang-Gi Back (Dankook University)

11:40~12:10	The Harmony of Efficacy and Safety: An Integrated Approach to Plant Disease Management Using Biofungicide-Chemical Blends Jang Hoon Lee (BASF Korea)
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