Horticulture Research

12th IHRC 2025

INTERNATIONAL HORTICULTURE RESEARCH CONFERENCE

Program

SANYA, CHINA
OCTOBER 9-12, 2025





Organizers

- Xinjiang Uygur Autonomous Region Academy of Agricultural Sciences
- Nanjing Agricultural University
- *Horticulture Research*
- Fujian Agriculture and Forestry University
- Huazhong Agricultural University
- Northeast Normal University
- Northwest A&F University
- Agricultural Genomics Institute at Shenzhen, Chinese Academy of Agricultural Sciences
- Shandong Agricultural University
- Southern University of Science and Technology
- Sichuan University
- Wuhan Botanical Garden, Chinese Academy of Sciences
- Zhejiang University
- State Key Laboratory of Crop Genetics & Germplasm Enhancement and Utilization, College of Horticulture, Nanjing Agricultural University
- State Key Laboratory of Tropical Crop Breeding
- Biological Breeding Laboratory, Xinjiang Uygur Autonomous Region Academy of Agricultural Sciences

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- Zong-Ming Cheng, Nanjing Agricultural University

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- Liang Chen, Tea Research Institute, CAAS
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- Qigan Liang, Xinjiang Uygur Autonomous Region Academy of Agricultural Sciences

Sponsors

2025-10-09		
10:00-22:00	全天报到 Registration	
2025-10-10		
时间/Time	会议安排/Programme Overview	会场/Location
8:30-12:00	开幕式&主论坛 Opening Ceremony & Keynote Talk	Banquet Hall
14:00-18:30	Session1: 果实与农产品品质调控 Session1: Fruit and Produce Quality Regulation and Control	Banquet Hall-A
14:00-18:00	Session5: 泛基因组赋能全基因组设计育种 Session5: Pan-Genome Enables Genome-Wide Designed Breeding	Banquet Hall-B
20:00-21:00	《园艺研究》编委研讨会 Editorial Board Meeting of *Horticulture Research*	Banquet Hall-A
2025-10-11		
8:30-12:10	Session3: 基因与基因组编辑：技术与应用 Session3: Gene and Genome Editing: Technology and Application	Banquet Hall-A
8:30-12:30	Session4: 气候变化与非生物胁迫 Session4: Climate Change and Abiotic Stresses	Banquet Hall-B
14:00-17:40	Session2: 多组学数据挖掘与智慧育种 Session2: Multiomics, Data Mining, and Intelligent Breeding	Banquet Hall-A
14:00-18:10	Session6: 园艺作物疾病与昆虫抗性 Session6: Advances in Disease and Insect Resistance for Horticultural Crops	Banquet Hall-B
19:00-22:10	研究生论坛 I Graduate Student Forum I	Banquet Hall-A
19:00-22:00	研究生论坛 II Graduate Student Forum II	Banquet Hall-B
2025-10-12		
08:30-11:50	Session7: 花发育与花色花香 Session7: Flower Development and the Making of Floral Colors and Scents	Banquet Hall-A
08:30-11:50	Session8: 生殖生物学 Session8: Reproduction Biology	Banquet Hall-B
11:50-12:10	闭幕式暨颁奖典礼 Closing & Awards Ceremony	Banquet Hall-A

2025-10-10 8:30-12:00, Banquet Hall			
Moderators: Bin Liu刘斌, Xiang Gao高翔			
时间/Time	题目/Title	讲者/Speaker	单位/Organization
8:30-8:50	开幕式 Opening Ceremony		
8:50-9:20	Advances on Breeding Technologies	杨维才 Weicai Yang	崖州湾国家实验室 Yazhouwan National Laboratory
9:20-9:50	Genetic Control of Fruit Quality Traits in Melon	Jordi Garcia-Mas	西班牙农业基因组研究中心 The Center for Research in Agricultural Genomics (CRAG)
9:50-10:10	Update on *Horticulture Research*	程宗明 Zong-Ming Cheng	南京农业大学 Nanjing Agricultural University
10:10-10:30	茶歇 Tea Break		
10:30-11:00	Origin and Evolution of Floral Scent Biosynthesis	陈峰 Feng Chen	美国田纳西大学 University of Tennessee
11:00-11:30	Salicylic Acid Biosynthesis: From Arabidopsis to Other Plants	张跃林 Yuelin Zhang	四川大学 Sichuan University
11:30-12:00	Research on Bioinformatics Agents	袁晓辉 Xiaohui Yuan	崖州湾国家实验室 Yazhouwan National Laboratory

2025-10-10 14:00-18:30, Banquet Hall-A			
Session1: 果实与农产品品质调控 Session1: Fruit and Produce Quality Regulation and Control			
Session Chairs: Yuepeng Han韩月澎, Jordi Garcia-Mas			
时间/Time	题目/Title	讲者/Speaker	单位/Organization
14:00-14:30	The Long March of Sugar Translocation from Leaf Loading to Fruit Vacuole: Control Points & Regulation	阮勇凌 Yong-Ling Ruan	西北农林科技大学/澳洲国立大学 Northwest A&F University/ Australian National University
14:30-14:50	The Function and Regulation Mechanisms of TST2 in Controlling of Citrus Taste Quality	李春龙 Chunlong Li	华中农业大学 Huazhong Agricultural University
14:50-15:10	Postharvest Regulation of Leaf Senescence in Chrysanthemum	王利凯 Likai Wang	南京农业大学 Nanjing Agricultural University
15:10-15:30	MicroRNA Regulation in Fruit Ripening and Stress Response	朱虹 Hong Zhu	中国科学院华南植物园 South China Botanical Garden, CAS
15:30-15:50	Distinct Attenuation Mechanisms of Jasmonate Signaling in Ripening Fruits and Wounded Leaves	邓磊 Lei Deng	山东农业大学 Shandong Agricultural University
15:50-16:10	Cucumber Fruit Quality Formation: From Trichome to Bloom	刘兴旺 Xingwang Liu	中国农业大学 China Agricultural University
16:10-16:30	茶歇 Tea Break		
16:30-16:50	Fruit Hollowness and Browning in Plum and Associated Molecular Mechanism	邓红红 Honghong Deng	福建农林大学 Fujian Agriculture and Forestry University
16:50-17:10	Critical Roles of DNA Methylation in Control of Tomato and Pepper Fruit Ripening	牛庆丰 Qingfeng Niu	安徽农业大学 Anhui Agricultural University
17:10-17:30	Divergent Regulatory Effects of Jasmonic Acid on Tomato Carotenoids Biosynthesis in Light and Dark Conditions	张娜 Na Zhang	中国农业大学 China Agricultural University
17:30-17:50	Enrichment of Two Important Metabolites D-galacturonic Acid and D-glucuronic Acid Inhibits MdHb1-mediated Fruit Softening in Apple	赵婷婷 Tingting Zhao	山东农业大学 Shandong Agricultural University
17:50-18:10	Genetic and Molecular Control of Lettuce Bolting Resistance: From Gene Discovery to Breeding Applications	安光辉 Guanghui An	河南农业大学 Henan Agricultural University
18:10-18:30	Integrated Genomic and Transcriptomic Analyses Reveal the Genetic and Molecular Mechanisms Underlying Hawthorn Peel Color and Seed Hardness Diversity	孟佳欣 Jiaxin Meng	北京市农林科学院 Beijing Academy of Agriculture and Forestry Sciences

2025-10-10 14:00-18:00, Banquet Hall-B			
Session5: 泛基因组赋能全基因组设计育种 Session5: Pan-Genome Enables Genome-Wide Designed Breeding			
Session Chairs: Yongfeng Zhou周永锋, Jun Wu吴俊			
时间/Time	题目/Title	讲者/Speaker	单位/Organization
14:00-14:30	Origin and De Novo Domestication of Sweet Orange	徐强 Qiang Xu	华中农业大学 Huazhong Agricultural University
14:30-15:00	2Xcelerate Genetic Gain in Potato Breeding	张春芝 Chunzhi Zhang	基因组所 Agricultural Genomics Institute at Shenzhen, CAAS
15:00-15:20	Population Genomics and Genomic Breeding for Legume Vegetables	刘娜 Na Liu	浙江省农业科学院 Zhejiang Academy of Agricultural Sciences
15:20-15:40	Telomere-to-telomere Genome Assembly of Pear and Structural Variation Analysis Underlying Fruit Traits	孙满意 Manyi Sun	安徽农业大学 Anhui Agricultural University
15:40-16:00	Development and Application of Genetic Variation Genotyping Algorithms Based on Graph Pan-Genomes	焦文标 Wenbiao Jiao	华中农业大学 Huazhong Agricultural University
16:00-16:20	茶歇 Tea Break		
16:20-16:40	A Sub-Pangenome Resource Reveals Large Hidden Structural Variations Associated with Fruit Color and Bacterial Wilt Resistance in Eggplant	廖毅 Yi Liao	华南农业大学 South China Agricultural University
16:40-17:00	Synteny-based Pan-genome Analysis Provides Insights into Kiwifruit Sexual Dimorphism in Flowering Time	岳俊阳 Junyang Yue	安徽农业大学 Anhui Agricultural University
17:00-17:20	Organelle Genome Assembly: Simple Data-Processing Logic Optimizations Unlock the Full Potential of Pan-Genome Sequencing Data	陈程杰 Chengjie Chen	中国热带农业科学院热带作物品种资源研究所 Tropical Crop Germplasm Research Institute, Chinese Academy of Tropical Agricultural Sciences
17:20-17:40	From Evolution to Function: Discovering Disease Resistance Genes Against the Irish Potato Famine	李宏博 Hongbo Li	山东农业大学 Shandong Agricultural University
17:40-18:00	Pan-Genome Analyses Facilitate Grape Breeding	肖华 Hua Xiao	基因组所 Agricultural Genomics Institute at Shenzhen, CAAS

2025-10-11 8:30-12:10, Banquet Hall-A			
Session3: 基因与基因组编辑：技术与应用 Session3: Gene and Genome Editing: Technology and Application			
Session Chairs: Chuanyou Li李传友, Zhaobo Lang郎曌博, Bin Liu刘斌			
时间/Time	题目/Title	讲者/Speaker	单位/Organization
08:30-09:00	Application and Optimization of Genome Editing Technologies in Horticultural Research	李剑峰 Jianfeng Li	中山大学 Sun Yat-sen University
09:00-09:30	Breeding Cucumbers for Begomovirus Resistance and Enhanced Yield through Heterosis Exploitation	Nur Fatihah Hasan Nudin	马来西亚苏丹再纳阿比丁大学 Universiti Sultan Zainal Abidin
09:30-09:50	Unlocking the Hidden Potential: CRISPR/Cas9-mediated Activation of Anthocyanin Biosynthesis for Purple Tomato	孙传龙 Chuanlong Sun	山东农业大学 Shandong Agricultural University
09:50-10:10	The High Efficient Genome Editing Platform for Melon Breeding	刘斌 Bin Liu	新疆维吾尔自治区农业科学院 Xinjiang Uygur Autonomous Region Academy of Agricultural Sciences
10:10-10:30	茶歇 Tea Break		
10:30-10:50	EccDNAs Transfer Between Plants: A New Way for Gene Exchange and Biotechnological Innovation	陈利萍 Liping Chen	浙江大学 Zhejiang University
10:50-11:10	Developing an Efficient Genome Editing Platform and Unraveling Domestication in Papaya via the YhYh Genotype	岳晶晶 Jingjing Yue	福建农林大学 Fujian Agriculture and Forestry University
11:10-11:30	Utilizing Genome Editing to Regulate the Synthesis of Active Ingredients in Biomedicinal Orchids and the Development of New Methods for Addressing Methylated Targets	王志才 Zhicai Wang	深圳市兰科植物保护研究中心 The Orchid Conservation and Research Center of Shenzhen
11:30-11:50	The RIN/NOR-MYC2 Complex Mediates Ripening-Induced Defence Signalling in Tomato Fruit	李珊 Shan Li	中国科学院武汉植物园 Wuhan Botanical Garden, CAS
11:50-12:10	Integrating Multi-Dimensional Signatures: Molecular Determinants and Application of Genes Associate with Fruit Cracking in Tomato	蒋芳玲 Fangling Jiang	南京农业大学 Nanjing Agricultural University

2025-10-11 8:30-12:30, Banquet Hall-B			
Session4: 气候变化与非生物胁迫 Session4: Climate Change and Abiotic Stresses			
Session Chairs: Jihong Liu刘继红, Qingmei Guan管清美, Jie Zhou周杰			
时间/Time	题目/Title	讲者/Speaker	单位/Organization
08:30-08:50	Role of Autophagy in Enhancing Tomato Tolerance to Low-Nitrogen Stress	周杰 Jie Zhou	浙江大学 Zhejiang University
08:50-09:10	Natural Variation of HDG5 and Its Post-translational Modifications in Modulating Apple Leaf Cuticular Wax Deposition and Drought Response	曹富国 Fuguo Cao	沈阳农业大学 Shenyang Agricultural University
09:10-09:30	Kinase PBL34 Regulates Melatonin-mediated Response to Multiple Stressors	孔瑾 Jin kong	中国农业大学 China Agricultural University
09:30-09:50	Natural Variation of AcEGY3 Mediates Chloroplastic ROS Homeostasis to Confer Kiwifruit Thermotolerance	汪松虎 Songhu Wang	安徽农业大学 Anhui Agricultural University
09:50-10:10	Mining Key Heat Tolerance Genes in Grapes and Their Regulatory Mechanisms	王利军 Lijun Wang	中国科学院植物研究所 Institute of Botany, CAS
10:10-10:30	茶歇 Tea Break		
10:30-10:50	Plant Grafting: Molecular Mechanisms and Applications	冯明 Ming Feng	山东农业大学 Shandong Agricultural University
10:50-11:10	Characterizing a PHR-Directed Gene Network Uncovers Key Transcriptional and Post-Transcriptional Regulators of Phosphate Starvation Responses in Tomato	黄腾波 Tengbo Huang	深圳大学 Shenzhen University
11:10-11:30	Genetic Improvement of Drought Resistance in Tomatoes Through Genetic Engineering and Breeding	李金华 Jinhua Li	西南大学 Southwest University
11:30-11:50	Proanthocyanidin Biosynthesis in Grapevine and Its Responses to Light and Salinity Stresses	于可济 Keji Yu	中国农业大学 China Agricultural University
11:50-12:10	The Function and Mechanism of GABA in Apples Under Alkaline Stress	李宇星 Yuxing Li	四川农业大学 Sichuan Agricultural University
12:10-12:30	Acclimative Mechanisms of Photosynthesis to Structure Changes in Variegated Leaves of Actinidia kolomikta (Maxim. & Rupr.) Maxim.	王振兴 Zhenxing Wang	吉林农业大学 Jilin Agricultural University

2025-10-11 14:00-17:40, Banquet Hall-A			
Session2: 多组学数据挖掘与智慧育种 Session2: Multiomics, Data Mining, and Intelligent Breeding			
Session Chairs: Xingtan Zhang张兴坦, Yaoyao Wu吴瑶瑶			
时间/Time	题目/Title	讲者/Speaker	单位/Organization
14:00-14:20	Combining AI-Powered Analytics With Multi-Scale Phenotyping to Study Yield and Quality Traits in Controlled Environment and Under Field Conditions	周济 Ji Zhou	分子植物卓越中心/英国剑桥作物研究中心 CAS Center for Excellence in Molecular Plant Sciences/Cambridge Crop Research
14:20-14:40	TeloComp: An Efficient Toolkit for Accurate Assembly of the Telomeres in T2T Genome	王海峰 Haifeng Wang	崖州湾国家实验室 Yazhouwan National Laboratory
14:40-15:00	Evolutionary and Domestication Genomics Facilitate Solanaceae Crop Breeding	吴瑶瑶 Yaoyao Wu	南京农业大学 Nanjing Agricultural University
15:00-15:20	Multiomics Analysis of Flowers Reveal That Enlarged Epidermic Cells of Petals as the Major Reason of Large Flowers of Gypsophila Paniculata L.	郑云 Yun Zheng	云南农业大学 Yunnan Agricultural University
15:20-15:40	A Glimpse to the Overall Perspective of the RNA-Based Gene Duplication in the Plant Kingdom	朱政霖 Zhenglin Zhu	重庆大学 Chongqing University
15:40-16:00	茶歇 Tea Break		
16:00-16:20	eQTL Meta-Analysis Reveals Conserved and Population-Specific Regulatory Variation Underlying Nutritional Trait Evolution and Domestication in Tomato	赵建涛 Jiantao Zhao	美国康奈尔大学 Cornell University
16:20-16:40	Multi-omics Analysis and Evolutionary Dissection of Key Traits in Woody Oil-Producing Plants of the Genus Juglans	赵鹏 Peng Zhao	西北大学 Northwest University
16:40-17:00	Brassinosteroid-Mediated Positive Regulatory Network Governing Leaf Droopiness for Mechanical Harvesting Revealed Through Integrated GWAS and ATAC-Seq Analysis in Tea Plants	刘浩然 Haoran Liu	中国农业科学院茶叶研究所 Tea Research Institute, CAAS
17:00-17:20	Genomic Evolution and Regulation of Key Agronomic Traits in Curcuma Species	廖雪竹 Xuezhu Liao	深圳大学 Shenzhen University
17:20-17:40	A Wild Melon Reference Genome Reveals New Insights into the Domestication of Fruit Acidity and Bitterness in Melon	张慧敏 Huimin Zhang	青岛农业大学 Qingdao Agricultural University

2025-10-11 14:00-18:10, Banquet Hall-B			
Session6: 园艺作物疾病与昆虫抗性 Session6: Advances in Disease and Insect Resistance for Horticultural Crops			
Session Chairs: Kai Shi师恺, Yuelin Zhang张跃林			
时间/Time	题目/Title	讲者/Speaker	单位/Organization
14:00-14:20	Receptor-Like Kinase-Mediated Resistance to Bacterial Wilt in Tomato	李博 Bo Li	华中农业大学 Huazhong Agricultural University
14:30-14:50	Biosynthesis, Transport, and Metabolic Regulation of Insecticidal Metabolites in Tomato Glandular Trichomes	范鹏祥 Pengxiang Fan	浙江大学 Zhejiang University
14:50-15:10	The Regulation of Citron OGD2-Dependent Resistance to Citrus Canker Caused by Xanthomonas citri subsp. citri	马先锋 Xianfeng Ma	湖南农业大学 Hunan Agricultural University
15:10-15:30	The Mechanisms of Plant-Pathogen Warfare in Citrus Fruit	成玉林 Yulin Cheng	重庆大学 Chongqing University
15:30-15:50	Interaction Mechanism between Chrysanthemum morifolium and Alternaria alternata	刘晔 Ye Liu	南京农业大学 Nanjing Agricultural University
15:50-16:10	茶歇 Tea Break		
16:10-16:30	A Database for Plant Small Secreted Peptides and a Novel Alignment Algorithm	蔡易 Yi Cai	四川农业大学 Sichuan Agricultural University
16:30-16:50	Plant Cell-Cycle Regulators Control the Nuclear Environment for Viral Pathogenesis	包志龙 Zhilong Bao	山东农业大学 Shandong Agricultural University
16:50-17:10	Citrus-Derived Antimicrobial Metabolites Confer Resistance to Huanglongbing and Canker	徐远涛 Yuantao Xu	华中农业大学 Huazhong Agricultural University
17:10-17:30	Super Pangenome of Vitis Empowers Identification of Downy Mildew Resistance Genes for Grapevine Improvement	叶文秀 Wenxiu Ye	北京大学现代农业研究院 Peking University Institute of Advanced Agricultural Sciences
17:30-17:50	The Receptor-Like Kinases Confer Disease Resistance in Cucumber	周朝阳 Chaoyang Zhou	中国农业大学 China Agricultural University
17:50-18:10	A Calcium-Decoding Module Translates Volatile DMNT into Jasmonic Acid-Mediated Herbivore Resistance in Camellia Sinensis	荆婷婷 Tingting Jing	安徽农业大学 Anhui Agricultural University

2025-10-12 8:30-12:10, Banquet Hall-A			
Session7: 花发育与花色花香 Session7: Flower Development and the Making of Floral Colors and Scents			
Session Chairs: Xiang Gao高翔, Zhiqiang Wu武志强 Moderators: Zhiqiang Wu武志强, Baoqing Ding丁宝清			
时间/Time	题目/Title	讲者/Speaker	单位/Organization
08:30-08:50	Key Gene Mining for Blue Petals and Floral Scent in Water Lilies	张亮生 Liangsheng Zhang	浙江大学 Zhejiang University
08:50-09:10	Molecular Mechanisms of Petal Reflex in Hummingbird-Pollinated Mimulus Verbenaceus	丁宝清 Baoqing Ding	南京农业大学 Nanjing Agricultural University
09:10-09:30	Rose Breeding Selects More Total Floral Organs, A Trait Linked to CLAVATA3 Expression	胡金勇 Jinyong Hu	中国科学院昆明植物研究所 Kunming Institute of Botany, CAS
09:30-09:50	Ligand-Induced Degradation of Ethylene Receptor Modulates Plant Response to Ethylene	周晓锋 Xiaofeng Zhou	中国农业大学 China Agricultural University
09:50-10:10	茶歇 Tea Break		
10:10-10:30	How Plants Paint: The Shift from Uniform to Patchy Coloration	梁梅 Mei Liang	华中农业大学 Huazhong Agricultural University
10:30-10:50	Colors of Roses: Genetic Insights into Flower Color Regulation	于超 Chao Yu	北京林业大学 Beijing Forestry University
10:50-11:10	A Novel CsbZIP26-CsSEP4-CsSPL18 Hierarchical Module Governs Floral Architecture Innovation in Cymbidium Sinense	杨凤玺 Fengxi Yang	广东省农科院环境园艺研究所 Institute of Environmental Horticulture, Guangdong Academy of Agricultural Sciences
11:10-11:30	Nocturnal Burst Emissions of Germacrene D from the Open Disk Florets of Pyrethrum Flowers Induce Moths to Oviposit on a Nonhost and Improve Pollution Success	胡昊 Hao Hu	北京大学 Peking University
11:30-11:50	Metabolomic and Transcriptomic Analyses Provide Insight into the Variation of Floral Scent and Molecular Regulation in Different Cultivars and Flower Development of Curcuma alismatifolia	宋超 Chao Song	重庆文理学院 Chongqing University of Arts and Sciences
11:50-12:10	闭幕式暨颁奖典礼 Closing & Awards Ceremony		

2025-10-12 8:30-12:10, Banquet Hall-B			
Session8: 生殖生物学 Session8: Reproduction Biology			
Session Chairs: Li-Yu Chen陈立余, Li Yuan袁黎			
时间/Time	题目/Title	讲者/Speaker	单位/Organization
08:30-09:00	Long Male Peduncles and the Evolution of Sex Chromosomes in Papaya	明瑞光 Ray Ming	福建农林大学 Fujian Agriculture and Forestry University
09:00-09:20	Regulatory Module of RFO Hydrolysis by Alkaline α-Galactosidase CsAGA2 Controls Cucumber Development	刘欢 Huan Liu	浙江大学 Zhejiang University
09:20-09:40	Precise Polyploid Genome Design for Novel Species Engineering	汪亚中 Yazhong Wang	中国科学院遗传与发育生物学研究所 Institute of Genetics and Developmental Biology, CAS
09:40-10:00	Autophagic Degradation of Exocyst Subunits Is Required for Self-Incompatible Response in Brassicaceae	张彤 Tong Zhang	山东农业大学 Shandong Agricultural University
10:00-10:20	茶歇 Tea Break		
10:20-10:40	Brassinosteroid-Regulated Pollen Tube Growth During Self-Incompatibility in Pear	王鹏 Peng Wang	南京农业大学 Nanjing Agricultural University
10:40-11:00	Exogenous 6-BA Induces Female Flower Differentiation in Tung Tree (Vernicia fordii)	张琳 Lin Zhang	中南林业科技大学 Central South University of Forestry and Technology
11:00-11:20	The Regulatory Module ClSP-ClAPRR2 Mediates Stripe Pattern Formation in Watermelon	魏春华 Chunhua Wei	西北农林科技大学 Northwest A&F University
11:20-11:50	Molecular Mechanisms of Small Peptide-Receptor Signaling Pathways Regulating the Formation of Plant Reproductive Barriers	钟声 Sheng Zhong	北京大学 Peking University
11:50-12:10	闭幕式暨颁奖典礼 Closing & Awards Ceremony		

2025-10-11 19:00-22:10, Banquet Hall-A

研究生论坛 I
Graduate Student Forum I

时间/Time	题目/Title	讲者/Speaker	单位/Organization
19:00-19:10	Transcriptional Regulation of miR528-PPO Module by miR156 Targeted SPLs Orchestrates Chilling Response in Banana	孔祥锦 Xiangjin Kong	中国科学院华南植物园 South China Botanical Garden, CAS
19:10-19:20	Evolution and Functional Divergence of Glycosyltransferase Genes Shaped the Quality and Cold Tolerance of Tea Plants	王婧铭 Jingming Wang	安徽农业大学 Anhui Agricultural University
19:20-19:30	MdHMGB15-MdXERICO-MdNRP Module Mediates Salt Tolerance of Apple by Regulating the Expression of Salt Stress-Related Genes	刘冉鑫 Ranxin Liu	山东农业大学 Shandong Agricultural University
19:30-19:40	Ethylene Promotes Anthocyanin Synthesis in 'Viviana' Lily via the LvMYB5-LvERF113-LvMYB1 Module	张轶兵 Yibing Zhang	沈阳农业大学 Shenyang Agricultural University
19:40-19:50	Alginate Oligosaccharide Promoted the Nutrient Uptake and Growth of Cucumber Seedlings Under Suboptimal Temperature Conditions	郭旭 Xu Guo	山西农业大学 Shanxi Agricultural University
19:50-20:00	CPK10 Regulates Secondary Xylem Development in Poplar	袁文雅 Wenya Yuan	浙江农林大学 Zhejiang A&F University
20:00-20:10	Combined Analysis of BSA and RNA-Seq to Develop the Candidate Genes Related to Deciduous Trait in Kiwifruit (Actinidia Arguta)	张启娜 Qina Zhang	郑州大学 Zhengzhou University
20:10-20:20	Development of High-Resolution and Liquid-Phase Multiple-SNP Array for Molecular Breeding in Tea Plant	梅飘 Piao Mei	中国农业科学院茶叶研究所 Tea Research Institute, CAAS
20:20-20:30	Genome-Wide Association Study Revealed the Regions Associated with Important Agronomic Traits in Melon	申成丞 Chengcheng Shen	新疆维吾尔自治区农业科学院 Xinjiang Uygur Autonomous Region Academy of Agricultural Sciences
20:30-20:40	Establishment of CRISPR/Cas9 Editing System Based on Efficient Somatic Embryogenesis of Eustoma Grandiflorum	周星余 Xingyu Zhou	云南大学 Yunnan University
20:40-20:50	Research on the Differentiation Technology and Mechanism of Callus from Different Explants of Pinus sylvestris var. mongolica	高丽娟 Lijuan Gao	青岛农业大学 Qingdao Agricultural University
20:50-21:00	CsUGT89A2 Enhances Tea Plant Resistance to Toxoptera Aurantia by Mediating Flavonoid Glycosides Biosynthesis	周兴榕 Xingrong Zhou	贵州大学 Guizhou University
21:00-21:10	Chromosome-Level Genome Assembly of Kiwifruit (Actinidia arguta) Reveals Mechanisms of Anthocyanin Regulation	李晓晗 Xiaohan Li	郑州大学 Zhengzhou University

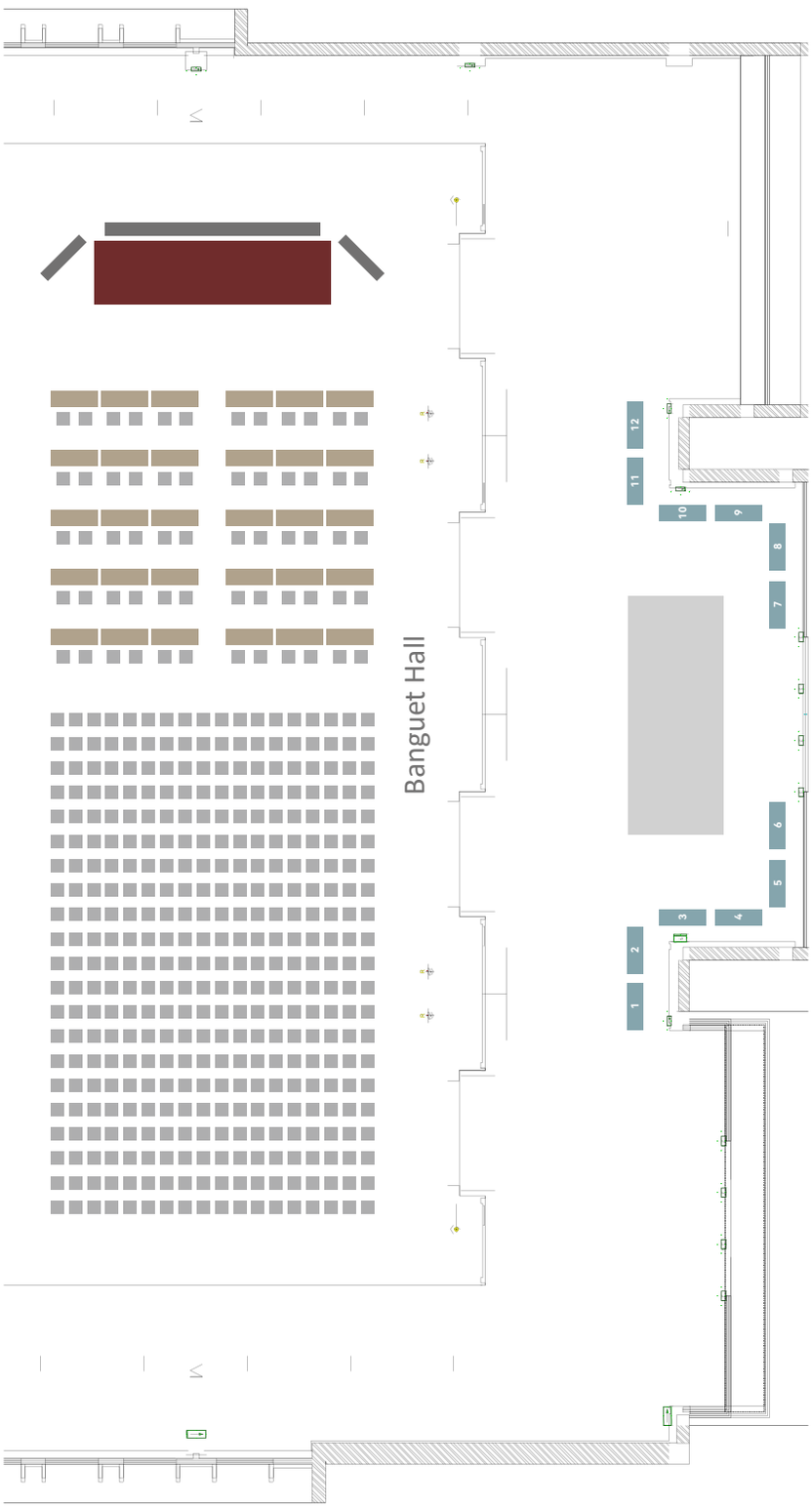
21:10-21:20	Phytochromes Modulate Calmodulin-Like Protein-Mediated PIF1 Suppression to Optimize Seed Germination Under Stress	康靖 Jing Kang	首都师范大学 Capital Normal University
21:20-21:30	Development of Tomato Male Sterile Lines via CRISPR/Cas9-mediated SlCYP704B1 Gene Editing	丁映风 Yingfeng Ding	云南农业大学 Yunnan Agricultural University
21:30-21:40	Transcriptomic Analysis Reveals a Regulatory Network of Adventitious Root Formation in Blueberry and Significance of VcWOXs in Adventitious Root Formation	郑博天 Botian Zheng	吉林大学 Jilin University
21:40-21:50	The Regulatory Roles of PbbHLH74 in Response to Drought Stress in Phoebe Bournei	付宁宁 Ningning Fu	浙江农林大学 Zhejiang A&F University
21:50-22:00	The ERF Transcription Factor VcERF061 Activates VcF3'5'H4 Expression and Promotes Light-Induced Anthocyanin Biosynthesis in Blueberry	晏婷 Ting Yan	贵州大学 Guizhou University
22:00-22:10	CiNF-YB18, Encoding a Nuclear Factor Y Family Protein, Regulates Fruit Enlargement in Pecan (Carya illinoinensis)	高楠 Nan Gao	浙江农林大学 Zhejiang A&F University

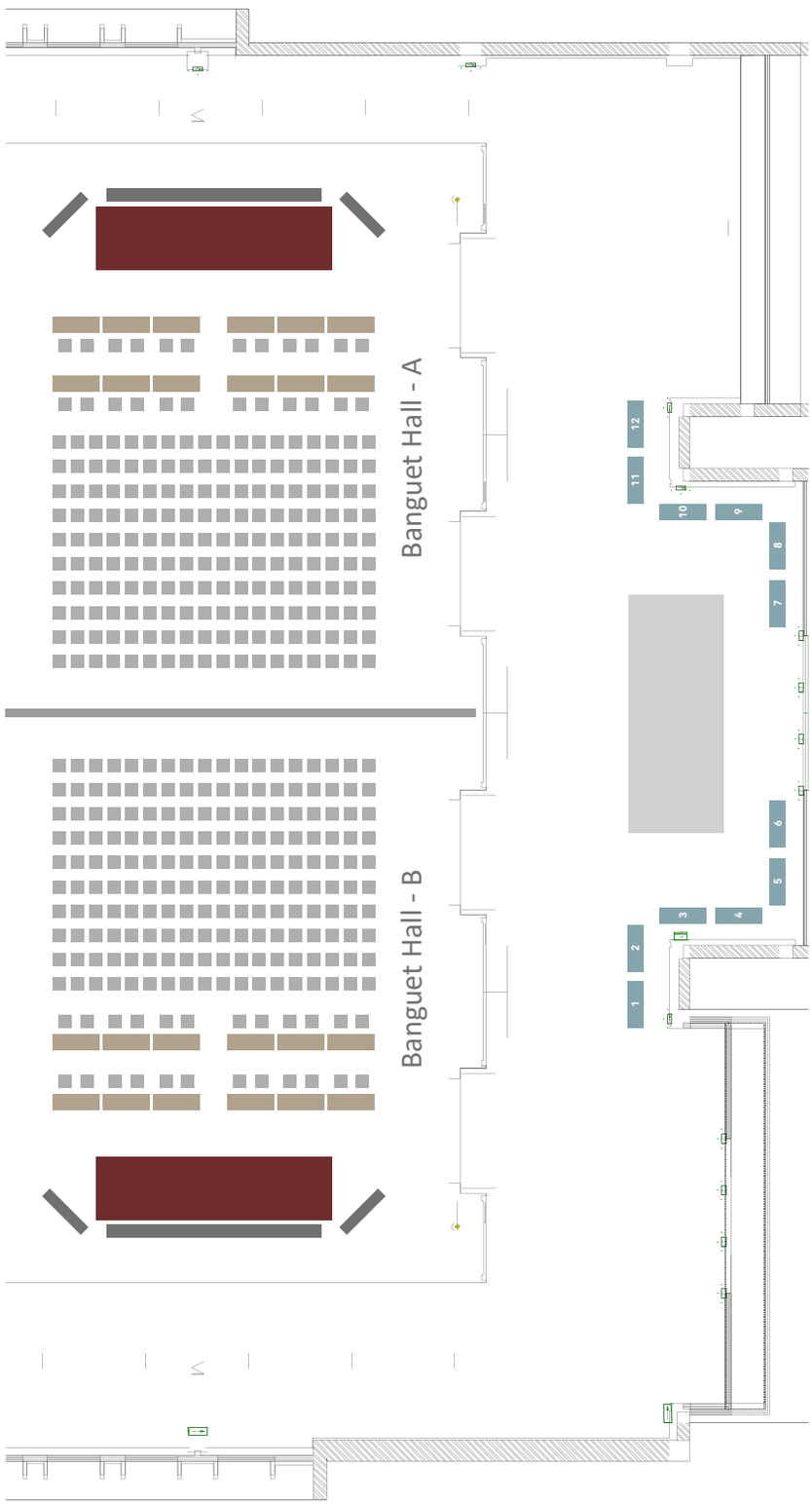
2025-10-11 19:00-22:00, Banquet Hall-B

研究生论坛 II
Graduate Student Forum II

时间/Time	题目/Title	讲者/Speaker	单位/Organization
19:00-19:10	Squalene Acts as a Feedback Signaling Molecule in Facilitating Bidirectional Communication Between Tea Plants	靳洁阳 Jieyang Jin	安徽农业大学 Anhui Agricultural University
19:10-19:20	An InDel Variant in the Promoter of the NAC Transcription Factor MdNAC18.1 Regulates Apple Fruit Ripening	岳倩宇 Qianyu Yue	山东农业大学 Shandong Agricultural University
19:20-19:30	The Coupling of Light and Potassium Supplements Optimize Strawberry Fruit Performance Through Plant Nitrogen Uptake, Assimilation and Translocation to Fruit	徐香楠 Xiangnan Xu	北京市农林科学院 Beijing Academy of Agriculture and Forestry Sciences
19:30-19:40	Evaluate Water Use Efficiency in Mungbean (Vigna radiata (L.)): Genotypic Variation and Phenotyping Approaches	钟雅悦 Yayue Zhong	昆士兰大学 The University of Queensland
19:40-19:50	Characterization of Nitrate Utilization Efficiency in Tea Plants Based on Leaf Chlorate Sensitivity	张文婧 Wenjing Zhang	中国农业科学院茶叶研究所 Tea Research Institute, CAAS
19:50-20:00	Population Genomics Provide Insights into the Local Adaptation and Future Climate-Induced Vulnerability of a Subtropical Endangered Tree	刘延 Yan Liu	浙江农林大学 Zhejiang A&F University
20:00-20:10	Effect of CLE45 on the Postharvest Quality of Kiwifruit During Shelf Life	焦思博 Sibo Jiao	陕西师范大学 Shaanxi Normal University
20:10-20:20	Regulatory Mechanism of the C2H2 Zinc Finger Protein PagZFP12 in Modulating Xylem Development of Poplar	李敏慧 Minhui Li	浙江农林大学 Zhejiang A&F University
20:20-20:30	Study on the Regulation of GhJOX2 in Cotton Verticillium Wilt Resistance	庞晨夕 Chenxi Pang	郑州大学 Zhengzhou University
20:30-20:40	The Neglected Role of Autotoxic Self-DNA Played in the Development of Continuous Cropping Obstacle of Eustoma Grandiflorum	何迪 Di He	云南大学 Yunnan University
20:40-20:50	Influence of Chlorella Sorokiniana and Plant Growth Regulators During the Micropropagation of Callicarpa Peichieniana	张艺腾 Yiteng Zhang	中国科学院华南植物园 South China Botanical Garden, CAS
20:50-21:00	Poplar RBOHF Mediate Tension Wood Formation	董宁 Ning Dong	浙江农林大学 Zhejiang A&F University
21:00-21:10	Seed Coating Agents Disrupt Soil Function and Bulb Health by Reshaping the Rhizosphere Microbiome and Metabolome	卢峄 Yi Lu	中国中医科学院 China Academy of Chinese Medical Sciences

21:10-21:20	Stage-Specific Nutrient Management Based on Ecological Stoichiometry Improves Photosynthesis and Berry Quality in 'Powderblue' Rabbiteye Blueberry	**钟方平** Fangping Zhong	**贵州大学** Guizhou University
21:20-21:30	The Amino Acid Permease SlAAP6 Contributes to Tomato Growth and Salt Tolerance by Mediating Branched-Chain Amino Acid Transport	**李湘桂** Xianggui Li	**海南大学** Hainan University
21:30-21:40	Identification of Genes Involved in Oil Gland Development and Essential Oil Biosynthesis in Citrus	**普东平** Dongping Pu	**福建农林大学** Fujian Agriculture and Forestry University
21:40-21:50	A Novel Strategy for Mitigating Drought Stress in Tomato Based on the ROS Scavenging Activity of Carbon Dots	**高飞娟** Feijuan Gao	**郑州大学** Zhengzhou University
21:50-22:00	A Novel PbHY5-1-PbBBX1-PbMYB30 Axis and a Functional PbUFGT9 Promoter SNP Drive Flavonoids Accumulation and Leaf Color Polymorphism in Phoebe bournei	**王立** Li Wang	**浙江农林大学** Zhejiang A&F University


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ORGANIZERS:

Xinjiang Uygur Autonomous Region Academy of Agricultural Sciences
Nanjing Agricultural University
Horticulture Research
Fujian Agriculture and Forestry University
Huazhong Agricultural University
Northeast Normal University
Northwest A&F University
Agricultural Genomics Institute at Shenzhen, CAAS
Shandong Agricultural University
Southern University of Science and Technology
Sichuan University
Wuhan Botanical Garden, CAS
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State Key Laboratory of Crop Genetics & Germplasm Enhancement and Utilization, College of Horticulture, Nanjing Agricultural University
State Key Laboratory of Tropical Crop Breeding
Biological Breeding Laboratory, Xinjiang Uygur Autonomous Region Academy of Agricultural Sciences