

# Schedule for Sino-Israeli Symposium on "Plant Environment Interactions"

*Nov 05-08, 2024*

*Lecture Hall, College of Biological Sciences, China Agricultural University,  
Beijing*

*Tuesday, Nov 05, 2024*

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| <b>9:00-9:10</b>   | <b>Opening Ceremony</b> (Chair: <b>Ying Fu</b> )<br>Welcome Address by <b>Nianhe Rong</b> (NSFC)   |
| <b>9:10-10:10</b>  | <b>Session I</b> (Chair: <b>Ying Fu</b> )  |
| 9:10-9:40          | <b>Shaul Yalovsky</b> (Tel Aviv University)<br>Molecular Switches: Mastering Stomatal Control  |
| 9:40-10:10         | <b>Yongrui Wu</b> (CAS Center for Excellence in Molecular Plant Sciences)<br>Molecular Genetic Basis of Dent Kernel Improvement in Maize             |
| 10:10-10:30        | <i>Group photograph/Coffee and Tea Break</i>   |
| <b>10:30-12:00</b> | <b>Session II</b> (Chair: <b>Tongda Xu</b> )   |
| 10:30-11:00        | <b>Tongda Xu</b> (Fujian A&F University)<br>Perception and Signal Transduction Mechanisms of Extracellular Auxin in Plants                           |
| 11:00-11:30        | <b>Roy Weinstain</b> (Tel Aviv University)<br>Slow Release of a Synthetic Auxin Induces Formation of Adventitious Roots in Recalcitrant Woody Plants |
| 11:30-12:00        | <b>Zhaojun Ding</b> (Shandong University)<br>Auxin Facilitates Lateral Root Salt Avoidance via Activating SOS1                                       |
| 12:00-14:00        | <i>Lunch Break</i>   |

<b>14:00-15:30</b>	<b>Session III (Chair: Nir Sade)</b>
14:00-14:30	<b>Feng Qin</b> (China Agricultural University) Genetic Dissection and Gene Cloning for Maize Drought Resistance
14:30-15:00	<b>Nir Sade</b> (Tel Aviv University) Elucidating the Physiological and Molecular Function of Candidate Genes Regulating Root Hydraulic Architecture of Monocots and Dicots
15:00-15:30	<b>Lizhong Xiong</b> (Huazhong Agricultural University) Phenomics Accelerates Drought Resistance Gene Discovery and Application in Rice
15:30-15:45	<i>Coffee and Tea Break</i>
<b>15:45-17:45</b>	<b>Session VI (Chair: Hongtao Liu)</b>
15:45-16:15	<b>Lixin Zhang</b> (Henan University) Structural and Functional Dynamics of Photosynthetic Protein Complexes during Light Acclimation
16:15-16:45	<b>Hongtao Liu</b> (Shenzhen University) The Blue-light Receptor CRY1 Serves as a Switch to Balance Photosynthesis and Defense
16:45-17:15	<b>Hila Keidan Toporik</b> (The Hebrew University) Modularity and Heterogeneity in Photosynthetic Antenna Systems
17:15-17:45	<b>Wenbin Zhou</b> (Institute of Crop Sciences, CAAS) Physiological and Molecular Responses to High Light Stress in Maize and Rice

**Wednesday, Nov 06, 2024**

- 9:00-10:30**                      **Session V** (Chair: **Yonghong Wang**)
- 9:00-9:30                        **Yotam Zait** (The Hebrew University)  
Reengineer Crops for a Changing Climate
- 9:30-10:00                      **Tzachi Arazi** (Volcani Institute)  
MADS Gatekeepers: Ovule Protein Complexes Ensure Fertilization-Dependent Fruit Set
- 10:00-10:30                      **Yonghong Wang** (Shandong Agricultural University)  
A Novel Cytokinin Transporter Contributes to Panicle Development and Nitrogen Use Efficiency in Rice
- 10:30-10:45                      *Coffee and Tea Break*
- 10:45-12:15**                      **Session VI** (Chair: **Weiqiang Qian**)
- 10:45-11:15                      **Weiqiang Qian** (Peking University)  
ALBA Proteins Confer Thermotolerance at Seedling and Reproductive Stages through Stabilizing Specific mRNAs in Stress Granules
- 11:15-11:45                      **Xiaoyu Guo** (Institute of Botany, CAS)  
Temperature Sensing and Genetic Basis for Chilling Tolerance in Rice
- 11:45-12:15                      **Lidor Shaar Moshe** (Haifa University)  
Unraveling the Cellular Basis of Salt Tolerance in Tomato
- 12:15-14:00                      *Lunch Break*
- 14:00-15:30**                      **Session VII** (Chair: **Robert Fluhr**)
- 14:00-14:30                      **Tamar Avin Wittenberg** (The Hebrew University)  
Exploring Stress-related Sugars as Plant Autophagy Regulators
- 14:30-15:00                      **Rachel Amir** (Migal Institute)  
Cysteine Redistribution During Oxidative Stress: Balancing Glutathione and Methionine for Plant Protection at the Cost of Growth

- 15:00-15:30            **Robert Fluhr** (Weizmann Institute)  
Stress-generated Singlet Oxygen: A Short-life Molecule  
with Everlasting Effects
- 15:30-15:45            *Coffee and Tea Break*
- 15:45-17:45**            **Session VIII** (Chair: **Simon Barak**)
- 15:45-16:15            **Lei Gong** (Northeast Normal University)  
Organellar Genome Divergence and Stress Response  
Shape the Cytonuclear Co-evolution Coordination within  
Alloplasmic Cybrids
- 16:15-16:45            **Simon Barak** (Ben Gurion University)  
Stress-ready or Stress-reactive? That is the  
Extremophyte Question!
- 16:45-17:15            **Xiaojie Wang** (Northwest A&F University)  
Strategies of Biotrophic Rust Fungi: Evasion and  
Manipulation of Host Immune Responses
- 17:15-17:45            **Caixia Gao** (Institute of Genetics and Developmental  
Biology, CAS)  
Precision Genome Editing For Future Agriculture
- 17:45-18:00            **Closing Remarks** by **Shaul Yalovsky**