

## Invitation to seminars on *Brassica* breeding, integrated omics and pest management by leading scientists from Chinese Academy of Agricultural Sciences

Time: 10:00 - 11:30 AM 6<sup>th</sup> May 2026

Location: Aud - A2-70.04, Thorvaldsensvej 40, Frederiksberg

### Seminar 1: Identification of *Brassica* germplasm resources resistant to diamondback moth



[Zhaojiang Guo](#) is a professor and director of the Department of Plant Protection, Institute of Vegetables and Flowers, Chinese Academy of Agricultural Sciences. His research interests mainly include xenobiotic resistance, insect-plant interactions and vegetable pest control. He has received the National Natural Science Foundation of China for Excellent Young Scholars and the China Youth Science and Technology Award, and he has been listed among the World's Top 2% Scientists. He has published 44 papers in *Cell*, *Nature Communications*, *PNAS*, *Science Advances* and *Advanced Science* as the first or corresponding author. These achievements have been selected as the Top 10 Scientific and Technological Progresses of China (2021) and the Top 10 Major Advances in Agricultural Science of China (2021 & 2022), and the 2023 SIP Impact Award.



[Youjun Zhang](#) is the Director General of the Institute of Vegetables and Flowers, Chinese Academy of Agricultural Sciences. His research focuses on early prevention and green control of vegetable pests. He was elected to the Chinese Academy of Engineering (CAE) in 2025, China's highest lifetime honor in engineering and technology. He has received four National Science and Technology Progress Awards and published over 200 papers as corresponding author in journals including *Cell*, *The Innovation*, *Nature Communications*, *PNAS*, *Science Advances*, and *Advanced Science*. He has been recognized as a Highly Cited Chinese Researcher by Elsevier for five consecutive years. He has served as the Council Representative of the International Society for Horticultural Science, the Vice President of the Chinese Society for Horticultural Science and the China Society of Plant Protection.

### Seminar 2: From Genomes to Phenomes: Advancing *Brassica* Research through Integrated Omics



[Xiaowu Wang](#) is a Professor at the Institute of Vegetables and Flowers, Chinese Academy of Agricultural Sciences. His research centers on advancing genomic tools and evolutionary insights in *Brassica* crops (*B. rapa* and *B. oleracea*). His team elucidated mechanisms like interspecies introgression and homoeologous exchange driving genome plasticity and domestication in polyploid *Brassica*. By integrating pan-genome analyses and transcriptomics, his group dissected agronomic traits such as leaf adaxial-abaxial polarity, flowering and metabolic diversity in Chinese cabbage. Wang expanded genomic resources through high-quality assemblies and the *Brassica* Database (BRAD). His current work integrates pan-genomics with high-throughput phenomics to explore the genetic basis of complex traits and accelerate predictive breeding in *Brassica* vegetables.

All are welcome!

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