

實驗室主持人



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研究主題

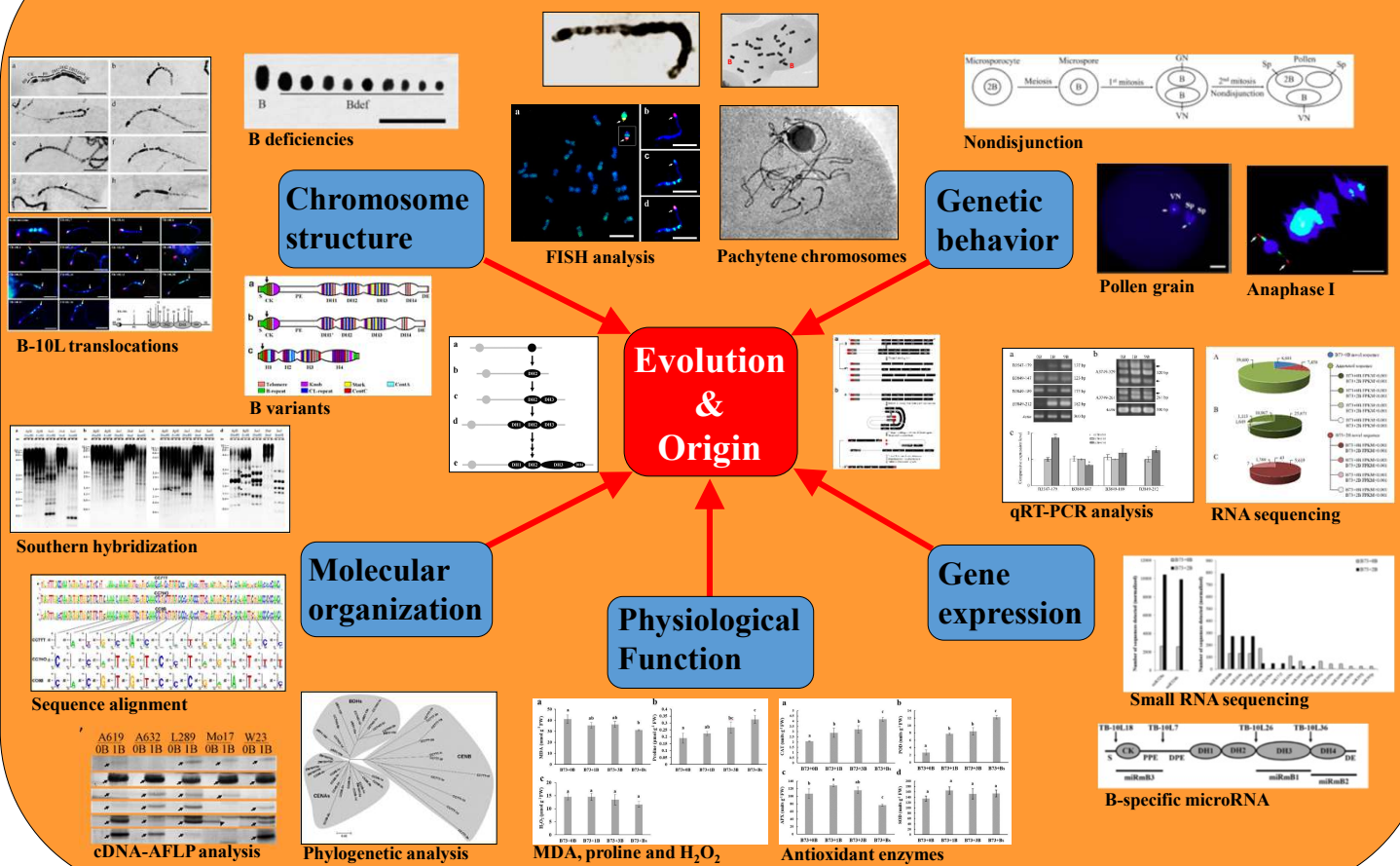
**Education:**

**PhD:** Institute of Molecular Biology, National Chung Hsing University, Taiwan  
**BSc:** Department of Botany, National Chung Hsing University, Taiwan

**Professional Experience:**

**Professor** in Agronomy Department, National Chung Hsing University, Taiwan  
**Postdoctoral Research Fellow** in the Department of Medical Research, China Medical University Hospital, Taiwan

**Maize B-chromosome**



研究成果

- Li CH, Wu PH, **Cheng YM\*** (in press) Identification of cDNA-AFLP fragments associated with the B chromosome from different developmental stages of maize anthers. *Chromosome Res.* (SCI)
- Cheng NY, Hsu YT, Lin TC, **Cheng YM\*** (2025) Physiological responses of maize (*Zea mays* L.) seedlings to the B chromosome. *Nucleus*. DOI: 10.1007/s13237-025-00534-5. (ESCI)
- Huang YH, Lin TC, Chiou WY, **Cheng YM\*** (2021) The *r-XI* deletion induces terminal deficiencies in the maize B chromosome. *Chromosome Res* 29: 351-360. DOI: 10.1007/s10577-021-09671-4. (SCI)
- Hong ZJ, Xiao JX, Peng SF, Lin YP, **Cheng YM\*** (2020) Novel B-chromosome-specific transcriptionally active sequences are present throughout the maize B chromosome. *Mol Genet Genomics* 295: 313-325. DOI: 10.1007/s00438-019-01623-2. (SCI)
- Huang YH, Peng SF, Lin YP, **Cheng YM\*** (2020) The maize B chromosome is capable of expressing microRNAs and altering the expression of microRNAs derived from A chromosomes. *Chromosome Res* 28: 129-138 DOI: 10.1007/s10577-019-09620-2. (SCI)
- Tseng SH, Peng SF, **Cheng YM\*** (2018) Analysis of B chromosome nondisjunction induced by the *r-XI* deficiency in maize. *Chromosome Res* 26: 153-162. DOI: 10.1007/s10577-017-9567-7. (SCI)

