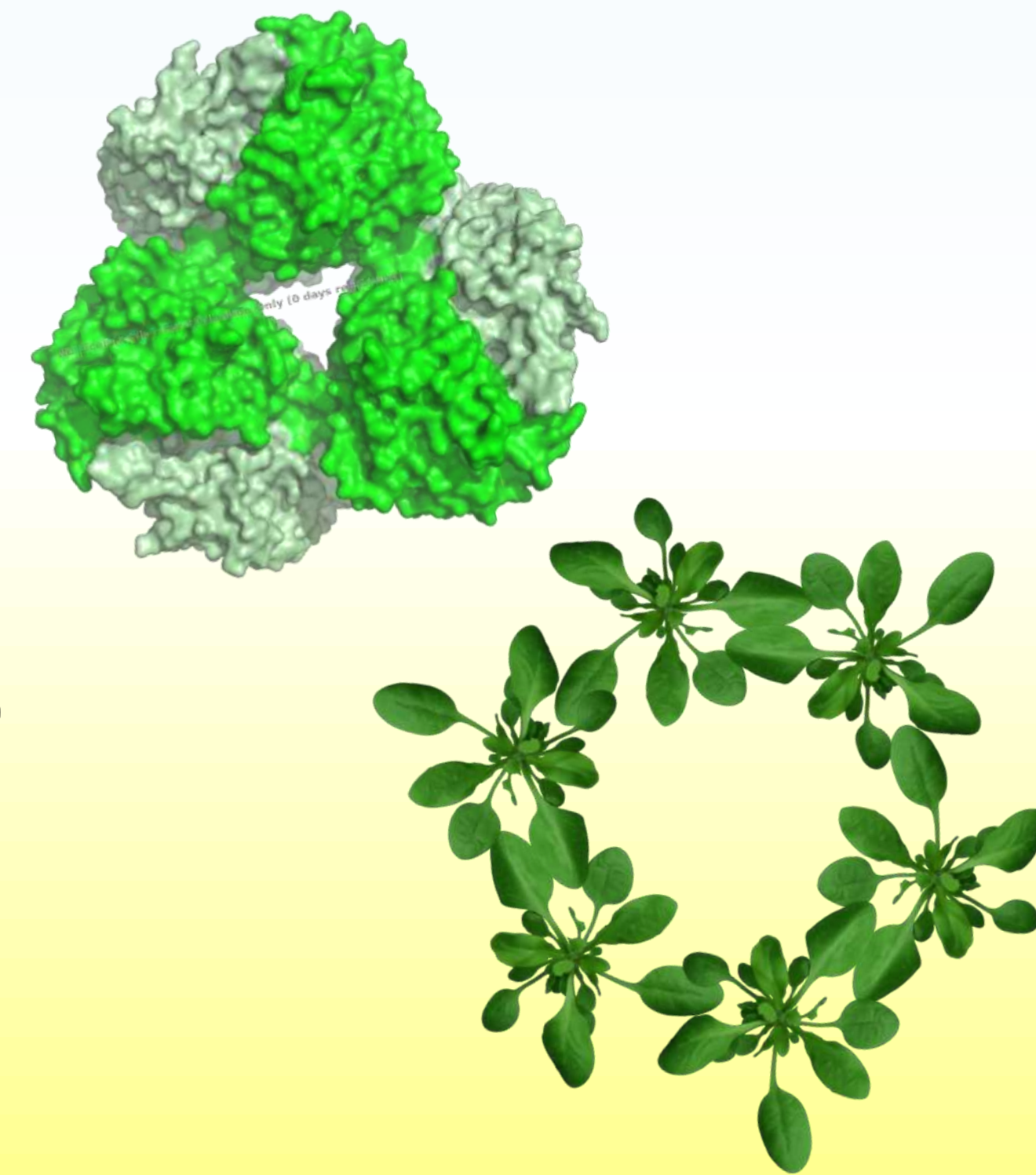




國立中興大學 生命科學系  
Department of Life Sciences, NCHU

## 植物免疫實驗室 Plant Immunity Lab

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植物也會發生自體免疫  
我們研究植物自體免疫，特別是雜交壞死，也研究配體受體系統，探索植物免疫如何啟動與調控。

Plants can suffer from autoimmunity too.  
We study plant autoimmunity, particularly hybrid necrosis, and ligand-receptor pairs to understand how immune responses are activated and regulated.



### 我們的研究方法/Our approaches

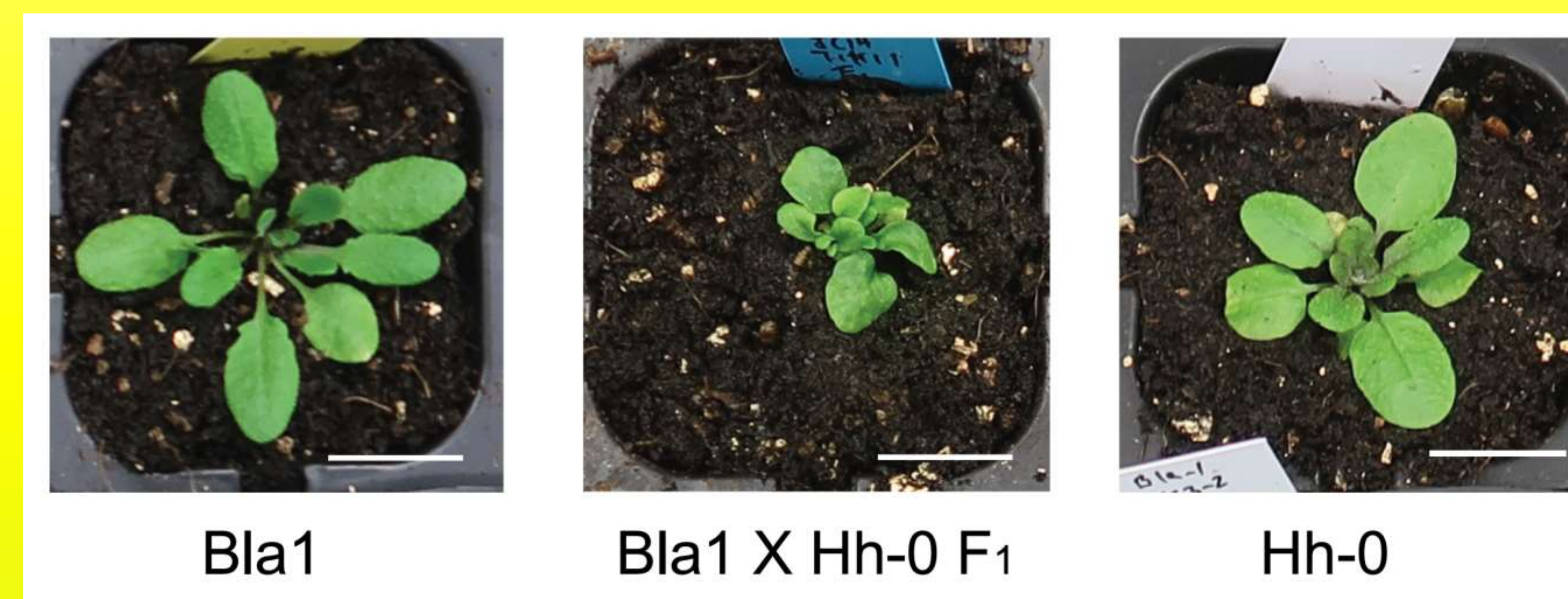
植物分子生物學 • 生物化學 • 遺傳學 • 生物資訊 • AI工具  
Plant molecular biology • biochemistry • genetics • bioinformatics • AI tools

### 招收學生中 / Students Wanted

歡迎大學生、碩士生、博士生加入  
Undergraduate and graduate students are welcome

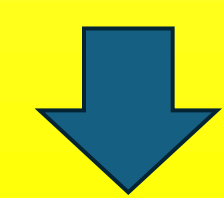


雜交壞死: 兩株健康的親本雜交後，子代生長受抑甚至死亡  
Hybrid Necrosis: Offspring from two healthy parents can become dwarfed or even die.



Wan et al. 2025

找出造成壞死的基因  
Identify the causal genes



研究其分子機制  
Study the molecular mechanism



多樣的受體複合體負責辨認不同分子  
Diverse receptor complexes recognize different molecules



Wan et al. 2019

找出被識別的分子及其相對受體與訊息傳遞路徑  
Identify signaling molecules, their responding receptors, and downstream signaling pathways