



The "Plant immunity mechanism research team" led by Prof. Jian-Min Zhou has made significant impact to international field. The discovery and molecular elucidation of resistosome brought about a major missing piece in our understanding of plant immune system. The team additionally elucidated virulence mechanism for multiple bacterial effector proteins, uncovered structural bases of plant surface immune receptor-mediated recognition of immunogenic signals, and deciphered how the central immune component BIK1 control immune signaling network. These advances greatly enhanced our understanding of plant-pathogen interactions and provided new avenue for the development of environmentally friendly disease control measures.

Outstanding contributors of this research group

Zhou Jianmin

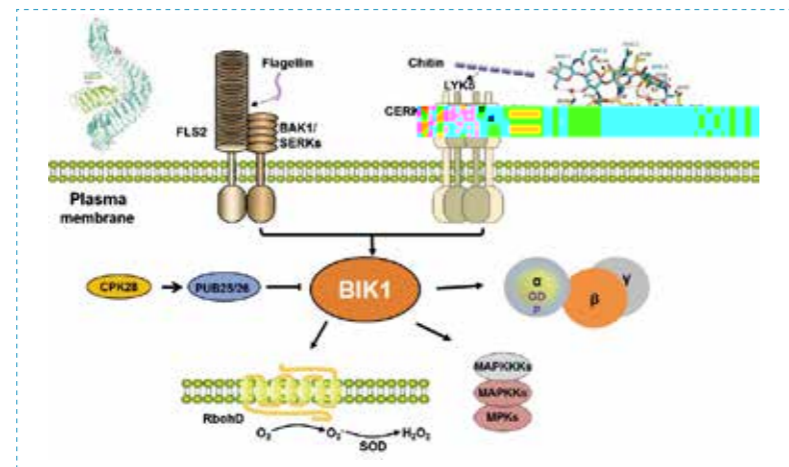
analyses of surface immune receptor-mediated immune signaling, host targets and mode of action of bacterial effectors, and intracellular immune receptor-mediated

surface immune receptors, and most importantly, reconstitution and structural

2017
The National Prize for Natural Science of China



Publications of plant resistosome



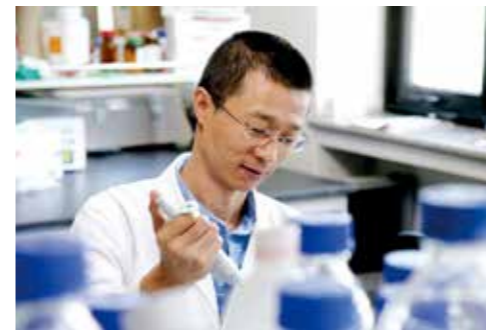
The immune signaling of plant surface receptors

2019
Top 10 Scientific Advances in Life Sciences of China in 2019

Wang Hongwei

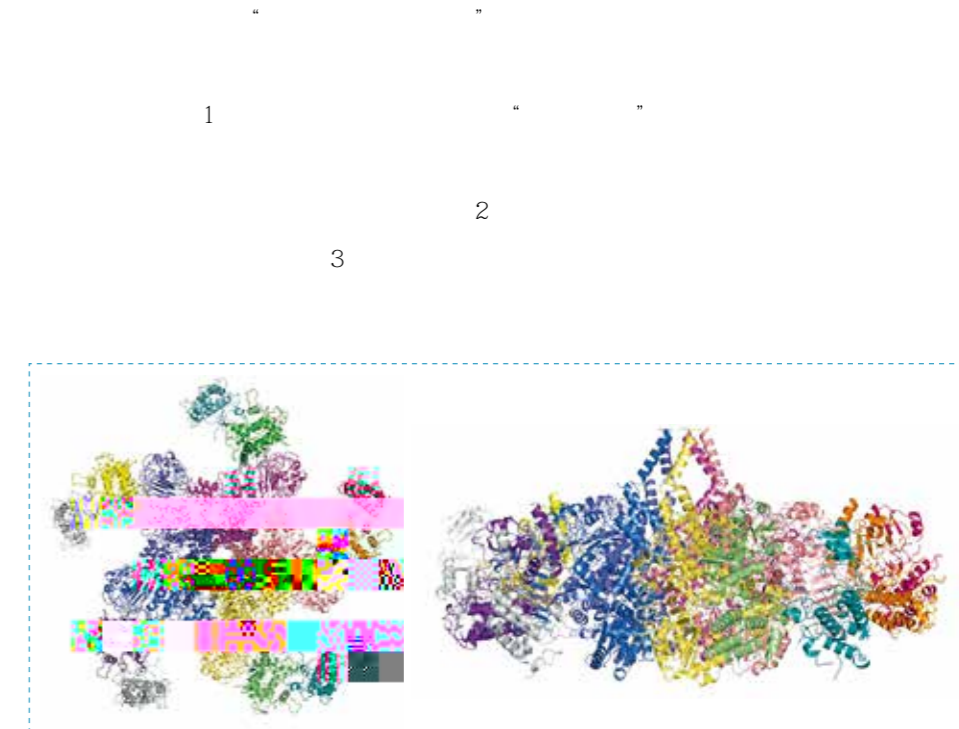


Zhou Jianmin and his student in the laboratory



Zhou Jianmin

研究集体主要科技贡献:



The structure of plant resistosome

研究集体突出贡献者

BIK1



Highlight for plant resistosome

研究集体主要完成者