



王一鸣

职 称：教授，博士生导师

邮 箱：ymwang@njau.edu.cn

办公地址：南京农业大学理工南楼 F223

研究方向：

植物微生物互作、植物抗病信号传导

教育经历：

2007.03 – 2010.08 韩国庆尚大学应用生命科学学院，农学博士

2005.03 – 2007.02 韩国庆尚大学应用生命科学学院，理学硕士

2000.09 - 2004.07 苏州大学生命科学学院， 理学学士

工作经历：

2019.10 – 至今 南京农业大学植物保护学院，教授，博导

2012.08 – 2019.09 德国马普植物分子育种研究所，博士后

2010.09 – 2012.08 韩国庆尚大学，博士后

代表性科研成果：

1. **Wang Y**, Garrido-Oter R, Wu J, Winkelmueller TM, Agler M, Colby T, Norori T, Kemen E, Tsuda K. Site-specific cleavage of bacterial MucD by secreted proteases in Arabidopsis immunity. *Nature Communications* 2019, 10: 2853

2. Berens ML, Wolinska KW, Spaepen S, Ziegler J, Nobori T, Nair A, Krüler V, Winkel Müller TM, **Wang Y**, Mine A, Becker D, Garido-Oter R, Schulze-Lefert P, Tsuda K. Balancing trade-offs between biotic and abiotic stress responses through leaf age-dependent variation in stress hormone crosstalk. *Proc Natl Acad Sci U S A*. 2019, 116(6), 2364-2373.
3. Uemura T, Nakano RT, Takagi J, **Wang Y**, Kramer K, Finkemeier I, Nakagami H, Tsuda K, Ueda T, Schulze-Lefert P, Nakano A. A Golgi-released subpopulation of the trans-Golgi network mediates protein secretion in Arabidopsis. *Plant Physiology* 2019, 179, 519-532.
4. **Wang Y**, Schuck S, Wu, J, Yang P, Döring A, Zeier J, Tsuda K. A MPK3/6-WRKY33-Pipecolic acid regulation loop contributes to systemic acquired resistance. *Plant Cell* 2018, 30(10):2480-2494. (Highlighted in Castroverde *Plant Cell*, 2018, 30(10), 2480-2494, DOI:<https://doi.org/10.1105/tpc.18.00712>)
5. Nobori T, Velásquez A, Wu J, Kvitko B, Kremer J, **Wang Y**, He SY, Tsuda K. Transcriptome landscape of a bacterial pathogen under plant immunity. *Proc Natl Acad Sci U S A*. 2018, 115(13): E3055-E3064.
6. **Wang Y***, Gupta R*, Song W, Huh HH, Wu J, Park SR, Kang KY, Kim ST. Label-free Quantitative secretome analysis of *Xanthomonas oryzae* pv. *oryzae* (Xoo) highlights the involvement of a novel cysteine protease in Xoo pathogenicity. *Journal of Proteomics* 2017, pii: S1874-3919(17)30060-X.
7. Wang Y, Wu J, Kim SG, Tsuda K, Gupta R, Park SY, Kim ST, Kang KY. *Magnaporthe oryzae*-Secreted Protein MSP1 Induces Cell Death and Elicits Defense Responses in Rice. *Molecular Plant Microbe Interactions* 2016, 29, 299-312.
8. Stuttmann JM, Peine N, Garcia AV, Wagner C, Choudhury SR, **Wang Y**, James GV, Griebel T, Alcazar R, Tsuda K, Schneeberger K, Parker JE. Arabidopsis thaliana DM2h (R8) within the Landsberg RPP1-like resistance locus underlies three different cases of EDS1-conditioned autoimmunity. *PLoS Genetics* 2016, 12, e1005990.

9. Gupta R, Lee SE, Agrawal GK, Rakwal R, Park S, **Wang Y#**, Kim ST#. Understanding the plant-pathogen interactions in the context of proteomics-generated secretory proteins inventory. *Frontiers in Plant Science* 2015, 6:352.
10. Kim YJ*, Wang Y*, Gupta R, Kim SY, Min CW, Kim SG, Park KH, Agrawal GK, Rakwal R, Choung MG, Kang KY, Kim ST. Protamine sulfate precipitation method depletes abundant plant seed-storage proteins: a case study on legume plants. *Proteomics* 2015. 15, 1760-4.

荣誉奖励:

2013.10 : 洪堡学者 德国洪堡基金会

2013.10 : 洪堡-拜耳学者 拜耳科学及教育基金会

2012.09 : 马普学者 (德国马普学会)