

Curriculum Vitae

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Education

1999-2005

Ph D. in Plant Molecular Genetics
Institute of Plant Physiology and Ecology
Shanghai Institutes for Biological Sciences (SIBS)
Chinese Academy of Sciences (CAS)

1995-1999

Bachelor of Philosophy in Life Science
College of Life Sciences, Shanghai Jiaotong University

Professional Experience

2014- present

Joint Professor
Shanghai Tech University

2011- present

Principle investigator, Professor
National Key Lab of Plant Molecular Genetics (NKLPMG)
Institute of Plant Physiology and Ecology (SIPPE)
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2005- 2011

Postdoc
Max Planck Institute for Developmental Biology,
Department of Molecular Biology,
Tuebingen, Germany

Award and Honour

1. 2006 EMBO long-term fellowship
2. 2012 Thousand Youth Talents, CHINA
3. 2012 Excellent Young Scholars, NSFC, CHINA
4. 2014 Outstanding Talents Award for Science & Technology Innovation, CAS
5. 2015 Outstanding Academic Leaders Award, SHANGHAI, CHINA
6. 2015 Distinguished Young Scholars, NSFC, CHINA
7. 2016 Young Talents Award in Science & Technology, SHANGHAI, CHINA
8. 2016 Science & Technology Award for Young and Middle-aged Talents, CHINA
9. 2017 Leading Talents Award in Science & Technology, MOST, CHINA

Publications (* corresponding author)

1. Zhang TQ, Lian H, Zhou CM, Xu L, Jiao YL, and **Wang JW***. (2017). A Two-Step Model for *de novo* Activation of *WUSCHEL* during Plant Shoot Regeneration. *Plant Cell*. 29(5):1073-1087.
2. Wang J, Tian C, Zhang C, Shi B, Cao X, Zhang TQ, Zhao Z, **Wang JW**, and Jiao YL*. (2017). Cytokinin Signaling Activates *WUSCHEL* Expression during Axillary Meristem Initiation. *Plant Cell*. 10.1105/tpc.16.00579.
3. Wang J#, Cheng YJ#, Hu B, Ma X, **Wang JW**, and Liu C*. (2017). Non-random domain organization of the Arabidopsis genome at the nuclear periphery. *Genome Res*. doi:10.1101/gr.215186.116.
4. Mao YB, Liu YQ, Chen DY, Chen FY, Fang X, Hong GJ, Wang LJ, **Wang JW**, and Chen XY*. (2017). Jasmonate response decay and defense metabolite accumulation contributes to age-regulated dynamics of plant insect resistance. *Nat. Commun*. 8: 13925.
5. Chen L, Tong J, Xiao L, Ruan Y, Liu J, Zeng M, Huang H, **Wang JW**, and Xu L*. (2016). YUCCA-mediated auxin biogenesis is required for cell fate transition occurring during *de novo* root organogenesis in Arabidopsis. *J Exp Bot*. 67: 4273-4284.
6. Ma D, Hu Y, Yang C, Liu B, Fang L, Wan Q, Liang W, Mei G, Wang L, Wang H, Ding L, Dong C, Pan M, Chen J, Wang S, Chen S, Cai C, Zhu X, Guan X, Zhou B, Zhu S, **Wang JW**, Guo W, Chen XY, Zhang T*. (2016). Genetic basis for glandular trichome formation in cotton. *Nat Commun*. 7:10456.
7. Yu S, Lian H, and **Wang JW***. (2015). Plant Developmental Transitions: the Role of MicroRNAs and Sugars. *Curr Opin Plant Biol*. 27: 1-7.
8. Wang L, and **Wang JW***. (2015). Coding function for non-coding RNA in plants—insights from miRNA encoded peptide (miPEP). *Sci China Life Sci*. 58: 503-505.(Insight).
9. Zhang TQ, **Wang JW**, and Zhou CM*. (2015). The role of miR156 in developmental transitions in *Nicotiana tabacum*. *Sci China Life Sci*. 58: 253-260.
10. Zhang TQ, Lian H, Tang H, Dolezal K, Zhou CM, Yu S, Chen JH, Chen Q, Liu H, Ljung K, and **Wang JW***. (2015). An Intrinsic MicroRNA Timer Regulates

Progressive Decline in Shoot Regenerative Capacity in Plants. *Plant Cell*. 27: 349-360.

11. Rubio-Somoza I, Zhou CM, Confraria A, Martinho C, Born P, Baena-Gonzalez E, **Wang JW***, and Weigel D*. (2014). Temporal control of leaf complexity by miRNA-regulated licensing of protein complexes. *Curr Biol*, 24: 2714-2719.
12. **Wang JW***. (2014). Regulation of flowering time by miR156-mediated age pathway. *J Exp Bot*. 65: 4723-4730.
13. Zhou CM, Zhang TQ, Wang X, Yu S, Lian H, Tang H, Feng ZY, Zozomova-Lihova J, and **Wang JW***. (2013). Molecular Basis of Age-dependent Vernalization in *Cardamine flexuosa*. *Science*. 340: 1097-1100.
14. Yu S, Cao L, Zhou CM, Zhang TQ, Lian H, Sun Y, Wu JQ, Huang JR, Wang GD, and **Wang JW***. (2013). Sugar is an Endogenous Cue for Juvenile-to-Adult Phase Transition in Plants. *eLife*. 2: e00269.
15. Zhou CM and **Wang JW***. (2013). Regulation of Flowering Time by MicroRNAs. *Journal of Genetics and Genomics*. 40: 211-215.
16. Yu S#, Galvao V#, Zhang YC, Horrer D, Zhang TQ, Hao YH, Feng YQ, Wang S, Schmid M, and **Wang JW***. (2012). Gibberellin Regulates Arabidopsis Floral Transition through miR156-Targeted SQUAMOSA PROMOTER BINDING-LIKE Transcription Factors. *Plant Cell*. 24: 3320-3332.
17. Felipes FF, **Wang JW**, and Weigel D*. (2012). MIGS: miRNA induced gene silencing. *Plant Journal*. 70: 541-547.
18. Gou JY, Felipes FF, Liu CJ, Weigel D, and **Wang JW***. (2011). Negative regulation of anthocyanin biosynthesis in Arabidopsis by a miR156-targeted SPL transcription factor. *Plant Cell*. 23: 1512-1522.
19. **Wang JW****, Park MY#, Wang LJ, Chen XY, Weigel D, and Poethig S*. (2011). MiRNA Control of Vegetative Phase Change in Trees. *PLoS Genet*. 7: e1002012.
20. Laubinger S, Zeller G, Henz S, Buechel S, Sachsenberg T, **Wang JW**, Ratsch G, and Weigel D*. (2010). Global effects of the small RNA biogenesis machinery on the *Arabidopsis thaliana* transcriptome. *PNAS*. 107: 17466-17473.
21. **Wang JW**, Czech B, Weigel D. (2009). miR156-regulated SPL transcription factors define an endogenous flowering pathway in Arabidopsis thaliana. *Cell*. 138: 738-749.
22. Wu G, Park MY, Conway SR, **Wang JW**, Weigel D, Poethig S*. (2009). The sequential action of miR156 and miR172 regulates developmental timing in Arabidopsis. *Cell*. 138: 750-759.
23. **Wang JW**, Schwab R, Czech B, Mica E, Weigel D*. (2008). Dual effects of miR156-Targeted SPL genes and CYP78A5/KLUH on plastochron length and organ size in *Arabidopsis thaliana*. *Plant Cell*. 20: 1231-1243.
24. Mao YB, Cai WJ, **Wang JW**, Hong GJ, Tao XY, Wang LJ, Huang YP, Chen XY*. (2007). Silencing a cotton bollworm P450 monooxygenase gene by plant-mediated RNAi impairs larval tolerance of gossypol. *Nat Biotechnol*. 25: 1307-1313.
25. **Wang JW**, Wang LJ, Mao YB, Cai WJ, Xue HW, Chen XY*. (2005). Control of root cap development by microRNA-targeted auxin response factors in Arabidopsis. *Plant Cell*. 17: 2204-2216.

26. Wang S, **Wang JW**, Yu N, Li CH, Luo B, Gou JY, Wang LJ, Chen XY*. (2004). Control of plant trichome development by a cotton fiber MYB gene. *Plant Cell*. 16: 2323-2334.
27. Xu YH, **Wang JW**, Wang S, Wang JY, and Chen XY*. (2004). Characterization of GaWRKY1, a cotton transcription factor that regulates the sesquiterpene synthase gene (+)- δ -Cadinene synthase-A. *Plant Physiol*. 135: 507-515.
28. Zhu YQ, Xu KX, Luo B, **Wang JW**, Chen XY*. (2003). An ATP-binding cassette transporter GhWBC1 from elongating cotton fibers. *Plant Physiol*. 133: 580-588.
29. Li CH, Zhu YQ, Meng YL, **Wang JW**, Xu KX, Zhang TZ, Chen XY*. (2002). Isolation of genes preferentially expressed in cotton fibers by cDNA filter arrays and RT-PCR. *Plant Science*. 163: 1113-1120.