

CURRICULUM VITAE

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Working Department			
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Tel	027-87288920 (O)	Fax	
Research Interest			
<ol style="list-style-type: none">1. Structural study on RNA modification and metabolism;2. Structure and biochemical investigation of plant organelle biogenesis;3. Structure and function of membrane proteins.			
Professional Memberships			
Outstanding Youth Science Foundation;			
Chang Jiang Youth Scholar Program;			
National Youth Talent Support Program.			
Other Roles			
Education & Working Experience			
Education:			
Ph.D. (2009) Molecular Biology and Biochemistry National Key Laboratory of Virology, School of Life Sciences, Wuhan University, Wuhan, P. R. China.			
M. S. (2006) Molecular Biology and Biochemistry National Key Laboratory of Virology, School of Life Sciences,			



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Wuhan University, Wuhan, P. R. China.

B. S. (2003) Biotechnology

School of Life Sciences, Wuhan University, Wuhan, P. R. China.

Professional Experiences:

2013.09-Present Professor

School of Life Sciences and Technology, National key Laboratory of Crop Genetic Improvement,

Huazhong Agricultural University,

Wuhan, P. R. China.

2009.07-2013.08 Postdoctoral Fellow

Center of Structural Biology, School of Life Sciences,

Tsinghua University, Beijing, P. R. China.

Advisor: Dr Nieng Yan, Professor.

2008.10-2009.04 Visiting Student

Center of Structural Biology, School of Life Sciences,

Tsinghua University, Beijing, P. R. China.

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Publications

1. Yan J[#], Yao Y[#], Hong S, Yang Y, Shen C, Zhang Q, Zhang D, Zou T, Yin P*. Delineation of pentatricopeptide repeat codes for target RNA prediction. *Nucleic Acids Research*. 2019 Apr 23; 47(7): 3728-3738. doi: 10.1093/nar/gkz075.
2. Wang Q[#], Zhang D[#], Guan Z, Li D, Pei K, Liu J, Zou T and Yin P*. DapF stabilizes the substrate-favoring conformation of RppH to stimulate its RNA-pyrophosphohydrolase activity in *Escherichia coli*. *Nucleic Acids Research*. 2018 May 28. 46(13): 6880-6892. doi: 10.1093/nar/gky528.

3. Liu J[#], Guan Z, Liu H, Qi L, Zhang D, Zou T, and Yin P*. Structural insights into the substrate recognition mechanism of *Arabidopsis thaliana* GPP-bound NUDX1 for noncanonical monoterpene biosynthesis. *Mol. Plant*. 2017 Oct 18; 11(1):218-221. doi:10.1016/j.molp.2017.10.006.
4. Yan J[#], Zhang Q[#], Guan Z, Wang Q, Li L, Ruan F, Lin R, Zou T, Yin P*. MORF9 increases the RNA-binding activity of PLS-type pentatricopeptide repeat protein in plastid RNA editing. *Nature Plants*. 2017 Apr 10; 3:17037. doi: 10.1038/nplants.2017.37.
5. Zhang D[#], Liu Y[#], Wang Q, Guan Z, Wang J, Liu J, Zou T, Yin P*. Structural basis of prokaryotic NAD-RNA decapping by NudC. *Cell Research*. 2016 Sep;26(9):1062-6. doi: 10.1038/cr.2016.98. Epub 2016 Aug 26.
6. Wang X[#], Feng J[#], Xue Y[#], Guan Z, Zhang D, Liu Z, Gong Z, Wang Q, Huang J, Tang C, Zou T, Yin P*. Structural basis of N6-adenosine methylation by the METTL3-METTL14 complex. *Nature*. 2016 May 25;534(7608):575-8. doi: 10.1038/nature18298
7. Shen C[#], Zhang D[#], Guan Z[#], Liu Y, Yang Z, Yang Y, Wang X, Wang Q, Zhang Q, Fan S, Zou T, Yin P*. Structural basis for the specific single-stranded RNA recognition by designer pentatricopeptide repeat protein. *Nat. Commun*. 2016 Apr 18;7:11285. doi: 10.1038/ncomms11285.
8. Shen C[#], Wang X[#], Liu Y, Li Q, Yang Z, Yan N, Zou T, Yin P*. Specific RNA recognition by designer pentatricopeptide repeat protein. *Mol Plant*. 2015 Apr;8(4):667-70. doi: 10.1016/j.molp.2015.01.001
9. Yin P[#], Li Q[#], Yan C, Liu Y, Liu J, Yu F, Wang Z, Long J, He J, Wang H, Wang J, Zhu J, Shi Y, Yan N*. Structural basis for the modular recognition of single-stranded RNA by PPR proteins. *Nature*. 2013 Dec 5; 504 (7478): 168-171. doi: 10.1038/nature12651
10. Yin P[#], Deng D[#], Yan C, Pan X, Xi J, Yan N, Shi Y*. Specific DNA-RNA hybrid recognition by TAL effectors. *Cell Reports*. 2012 Oct 25; 2 (4):707-13. doi: 10.1016/j.celrep.2012.09.001. (The Best of Cell Reports in 2012)
11. Deng D[#], Yin P[#], Yan C, Pan X, Gong X, Qi S, Xie T, Mahfouz M, Zhu Jian-Kang, Yan

N*, Shi Y*. Recognition of methylated DNA by TAL effectors. *Cell Research*. 2012 Oct; 22 (10):1502-4. doi: 10.1038/cr.2012.127.

12. Hao Q#, Yin P#, Li W, Wang L, Yan C, Lin Z, Wu JZ, Wang J, Yan SF, Yan N*. The molecular basis of ABA-independent inhibition of PP2Cs by a subclass of PYL proteins. *Mol Cell*. 2011 Jun 10;42(5):662-72. doi: 10.1016/j.molcel.2011.05.011.
13. Yin P#, Fan H#, Hao Q#, Yuan X#, Wu D, Pang Y, Yan C, Li W, Wang J, Yan N*. Structural insights into the mechanism of abscisic acid signaling by PYL proteins. *Nat Struct Mol Biol*. 2009 Dec; 16 (12): 1230-6. doi: 10.1038/nsmb.1730. (Cover Paper) (Breakthrough of the year in Science)