

# CURRICULUM VITAE

Personal Information			
Name	Jinxing Tu	Gender	Male
Position Title		Professor	
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Research Interest			
<ul style="list-style-type: none"> <li>▪ Rapeseed oil heterosis utilization</li> <li>▪ Molecular mechanism on plant male sterility</li> <li>▪ Yellow seed coat on rapeseed</li> <li>▪ Resistance to stem rot by genetic modification</li> </ul>			
Professional Memberships			
<ul style="list-style-type: none"> <li>▪ Community of crop variety registration</li> </ul>			
Other Roles			
Education & Working Experience			
<ul style="list-style-type: none"> <li>• 1992—1997 Ph.D., National Key Lab of Crop Genetic and Improvement, Huazhong Agricultural University (HAU), China</li> <li>• 1982—1986 B.Sc. Department of Agronomy, HAU</li> </ul> <p><b>Research Experience</b></p> <ul style="list-style-type: none"> <li>• 2007.01-2007.09, Department of Plant Science at the University of Manitoba, Canada,</li> </ul>			



2004.04-2004.06, Svalof Weibull AB in Sweden, Training for Quality Assurance program

- 2000-2001, DNALANDMARKERS (BASF Plant Science), SNP analyses 1999.1-2000.2, Dr. Fristensky's Lab, Dept. of Plant Sci. at the Univ. of Manitoba. 1997.7-now, the National Key Lab of Crop Genet and Improvement in HAU

## Publications

1. Shengqian Xia, Ling Cheng, Xiaoling Dun, Zhengfu Zhou, Jinxing Tu ( ), Tingdong Fu, 2012, Mapping of BnMs4 and BnRf to a common microsyntenic region of Arabidopsis thaliana chromosome 3 using intron polymorphism markers, TAG, Vol. 124(7), Page 1193-1200 , (DOI: 10.1007/s00122-011-1779-1)
2. Zhou Z, Dun X, Xia S, Tu J ( ),Fu T, 2012, The BnMs3 regulatory pathway is required for tapetal function and pollen development in Brassica napus , J. Exp. Bot. Vol 63(5), 2041-2058, doi: 10.1093/jxb/err405
3. Huang Z, Xiao L, Dun X, Xia S, Yi B, Wen J, Shen J, Ma C, Tu Jinxing ( ), Meng Jinling and Fu Tingdong, 2012, Improvement of the recessive genic male sterile lines with a subgenomic background in Brassica napus by molecular marker-assisted selection, Mol Breeding, Volume 29, Number 1, Pages 181-187
4. Dun X, Zhou Z, Xia S, Tu J ( ) and Fu T, 2011, BnaC.Tic40, a plastid inner membrane translocon originating from Brassica oleracea, is essential for tapetal function and microspore development in Brassica napus, The Plant Journal, Volume 68, Issue 3, p 532–545,
5. Wei Chen, Yan Zhang, Bin Yi, Jing Wen, Jinxiong Shen, Xueping Liu, Chaozhi Ma, Jinxing Tu ( ), Fu Tingdong, 2011, Quantitative Trait Loci mapping for two seed yield component traits in an oilseed rape (Brassica napus L.) cross, Plant Breeding , Volume 130, Issue 6, December 2011, Pages: 640–646,
6. Yan Zhang, Xia Li, Wei Chen, Bin Yi, Jing Wen, Jinxiong Shen, Chaozhi Ma, Baoyuan Chen, Jinxing Tu( ), and Tingdong Fu, 2011, Identification of two major QTL for yellow seed color in two crosses of resynthesized Brassica napus line No. 2127-17 Molecular Breeding,

7. Yi B, Zeng F, Lei S, Chen Y, Yao X, Zhu Y, Tu J ( ) and Fu T, 2010, Two duplicate CYP704B1-homologous genes BnMs1 and BnMs2 are required for pollen exine formation and tapetal development in *Brassica napus*, *The Plant Journal*, 63: 925-938
8. Xiangrui Yin, Bin Yi, Wei Chen, Weijie Zhang, Jinxing Tu ( ), W. G. Dilantha Fernando, Tingdong Fu, 2010, Mapping of QTLs detected in a *Brassica napus* DH population for resistance to *Sclerotinia sclerotiorum* in multiple environments, *Euphytica*, 173:25-35 DOI: 10.1007/s10681-009-0095-1
9. Zhu Y, Dun X, Zhou Z, Xia S, Yi B, Tu J ( ) and Fu T, 2010, A separation defect of tapetum cells and microspore mother cells results in male sterility in *Brassica napus*: the role of abscisic acid in early anther development, *Plant Molecular Biology*, V 72, No 1-2, P111-123
10. Aixia Xu, Zhen Huang, Chaozhi Ma, Enshi Xiao, Guangwen Tian, Xiuse Zhang, Jinxing Tu ( ), Tingdong Fu and Gaisheng Zhang, 2010, Inheritance of seed color and molecular markers linked to the seed color gene in *Brassica juncea*, *Molecular Breeding*, Vol 25(1), P57-65, DOI:10.1007/s11032-009-9308-5.
11. Yan Zhang, Xia Li, Chaozhi Ma, Jinxiong Shen, Baoyuan Chen, Jinxing Tu ( ) and Tingdong Fu, 2009, The Inheritance of Seed Colour in a Resynthesized *Brassica napus* Line No. 2127-17 Including a New Epistatic Locus, *Genes and Genomics*, Vol 31(6)
12. Chen Y, Lei S, Zhou Z, Zeng F, Yi B, Tu J ( ) and Fu T, 2009, Analysis of gene expression profile in pollen development of recessive genic male sterile *Brassica napus* L. line S45A, *Plant Cell Report*, V 28, No 9, 1363-72,

13. Fangqin Zeng, Bin Yi, Jinxing Tu ( ) and Tingdong Fu, 2009, Identification of AFLP and SCAR markers linked to the male fertility restorer gene of pol CMS (*Brassica napus* L.) *Euphytica*. Volume 165(2): 363-369
14. Xiao Lu, Yi Bin, Chen Yufeng, Huang Zhen, Chen Wei, Ma Chaozhi, Jinxing Tu ( ) and Tingdong Fu, 2008, Molecular markers linked to *Bn;rfrf*: a recessive epistatic inhibitor gene of recessive genic male sterility in *Brassica napus* L. *Euphytica*, 164:377-384
15. Cai Changchun, Tu Jinxing ( ), Tingdong Fu, Baoyuan Chen, 2008, the genetic basis of flowering time and photoperiod sensitivity in rapeseed (*Brassica napus*, L), *Russian Journal of Genetics*, Volume 44, Number 3, 326-333, DOI: 10.1134/S1022795408030137
16. Wang L, Wang BM, Tu JX, Christopher A. Helliwell, Peter M. Waterhouse, Elizabeth S. Dennis, Ting-Dong Fu, Yun-Liu Fan 2007, Cloning and characterization of microRNAs from *Brassica napus*, *FEBS Letters*, 581(20)Pages 3848-3856
17. Chen Wei, Zhang Yan, Liu Xueping, Chen Baoyuan, Tu Jinxing ( ), Fu Tingdong, 2007, Detection of QTL for six yield-related traits in oilseed rape ( *Brassica napus* ) using DH and immortalized F2 populations, DOI, 10.1007/s00122-007-0613-2, *TAG*, Volume 115( 6 ) 849-858
18. Sun Zudong, Wang Zining, Tu Jinxing, Zhang Jiefu, Yu Fengqun, McVetty Peter, Li Genyi, 2007, An ultradense genetic recombination map for *Brassica napus* , consisting of 13551 SRAP markers, DOI, 10.1007/s00122-006-0483-z, *TAG*, Volume 114( 8) 1305-1317
19. Huang Zhen, Chen Yufeng, Yi Bin, Xiao Lu , Ma Chaozhi, Tu Jinxing ( ), Fu Tingdong, 2007, Fine mapping of the recessive genic male sterility gene ( *Bnms3* ) in *Brassica napus* L. DOI, 10.1007/s00122-007-0547-8, *TAG*, Volume 115(1 ) 113-118
20. Lei Shaolin, Yao Xueqin, Bin Yi, Chen Wei, Ma Chaozhi, Tu Jinxing ( ), Fu Tingdong, 2007, Towards map-based cloning: fine mapping of a recessive genic male-sterile gene ( *BnMs2* ) in *Brassica napus* L. and syntenic region identification based on the *Arabidopsis*

thaliana genome sequences, DOI, 10.1007/s00122-007-0594-1, TAG, Volume 115( 5 ) 643-651

21. Yi Bin, Chen Yuning, Lei Shaolin, Tu Jinxing ( ),Fu Tingdong , 2006, Fine mapping of the recessive genic male-sterile gene (Bnms1) in Brassica napus L. DOI, 10.1007/s00122-006-0328-9, TAG, Volume 113, (4 ) 643-650

### **Additional Information**