

Curriculum Vitae

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Education

Aug. 2015- Present Graduate Student, Interdepartmental Genetics and Genomics, Department of Agronomy, Iowa State University, Ames, IA, United States

Mentor: Dr. Patrick Schnable

Sep. 2009- Jun. 2012 M.S., Genetics, Nanjing Agriculture University, China

Mentor: Dr. Zhengqiang Ma

Sep. 2005- Jun. 2009 B.S., Plant Science, Agricultural University of Hebei, China

Employment

April 2014- January 2015 Research Associate, Department of Molecular Breeding and Functional Genetics, Beijing Shou jia Li Hua Bio-tech Co. Ltd., Beijing, China

April 2013- March 2014 Research Associate, Department of Molecular Breeding, State Key Laboratory of Main Crop Germplasm Innovation (Beijing Golden Guanfeng Biotech Ltd.), Beijing, China

Publications

- **Zhou Y**, Srinivasan S, Mirnezami SV, Kusmec A, Fu Q, Attigala L, Fernandez MGS, Ganapathysubramanian B, Schnable PS (2018) Semi-automated feature extraction from RGB images for sorghum panicle architecture GWAS. *Plant Physiology* (**Accepted**)
- Xie K, Dong ZY, Tian YH, An XL, Wu SW, Zhu TT, Zhang DF, **Zhou Y** et al. (2018) ZmMs30 Encoding a Novel GDSL Lipase is Essential for Male Fertility and Valuable for Hybrid Breeding in Maize. *Molecular Plant* (**Submitted**)
- Xie K, Li ZW, **Zhou Y**, Zhang DF, Dong ZY, An XL, Zhu T, Zhang SM, Liu SS, L JP, Wan XY (2018) Map-based cloning and characterization of Zea mays male sterility33 (ZmMs33) gene, encoding a glycerol-3-phosphate acyltransferase. *Theor Appl Genet* 131(6): 1363-1378
- Zhang DF, Wu SW, An XL, Xie K, **Zhou Y**, Dong Z, Xu L, Fang W, Liu SS, Liu SS, Zhu T, Li JP, Rao LQ, Zhao JR, Wan XY (2017) Construction of a multicontrol sterility system for a maize male-sterile line and hybrid seed production based on the ZmMs7 gene

encoding a PHD-finger transcription factor. Plant Biotechnol. J., doi:

<https://doi.org/10.1111/pbi.12786>

- Cao WJ, Fu BS, Wu K, Li N, **Zhou Y**, Gao Z, Lin MS, Li GQ, Wu XY, Ma ZQ, Jia HY (2014) Construction and characterization of Three Wheat Bacterial Artificial Chromosome Libraries. International Journal of Molecular Science 15(12): 21896-21912
- Xue SL, Xu F, Li GQ, **Zhou Y**, Lin MS, Gao ZX, Su XH, Xu XW, Jiang G, Zhang S, Jia HY, Kong ZX, Ma ZQ (2013) Fine mapping *TaFLW1*, a major QTL controlling flag leaf width in bread wheat (*Triticum aestivum L.*) Theor Appl Genet 126(8): 1941–1949
- Xue SL, Xu F, Tang MZ, **Zhou Y**, Li GQ, An X, Lin F, Xu HB, Jia HY, Zhang LX, Kong ZX, Ma ZQ (2011) Precise mapping *Fhb5*, a major QTL conditioning resistance to *Fusarium* infection in bread wheat (*Triticum aestivum L.*). Theor Appl Genet 123(6): 1055–1063

Patent

- **CN104946660B** Wan XY, Wu SW, **Zhou Y**, Xie K, Li JP; The DNA sequence and coded protein of the post meiosis developmental gene *Ms30* in maize. (China patent issued on April 12th, 2017)