

Tao Yan

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PhD Candidate Student in Crop Genetics and Breeding

Bio. I am currently a 3th-year PhD Candidate Student at College of Agriculture and Biotechnology, Zhejiang University (ZJU), Hangzhou, China, working with Prof. Lixi Jiang on Crop Genetics and Breeding.

Research interests. My Ph.D research work covers a range of issues : **Population Genetics Evolution and Ecotype Divergence Analysis of oilseed Rape, Genome-wide Association Study (GWAS)**. Currently, I am interested in Transposable Elements Insertion Polymorphisms (TIPs) in Crop Population and genetic basis such as SV, CNV and TIPs etc shapes the diversity of different ecotypes of *B.napus*.

🎓 Education

Sep 2016 – **PhD Candidate** in Crop Genetics and Breeding, *Zhejiang University (ZJU)*, Hangzhou
College of Agriculture and Biotechnology (CAB)

Advisor : *Prof. Lixi Jiang*

Sep 2012 – Jun 2016 **Bachelor of Agronomy**, *Zhejiang University (ZJU)*, Hangzhou

Advisor : *Prof. Yinbo Gan*

📖 Publications

- Wu D, Liang Z, **Yan T**, et al.(2018). "Whole-genome resequencing of a world-wide collection of rapeseed accessions reveals genetic basis of their ecotype divergence". **Molecular Plant**, DOI : 10.1016/j.molp.2018.11.007.
- Zhou LH, **Yan T**, Chen X, et al.(2018). "Effect of high night temperature on storage lipids and transcriptome changes in developing seeds of oilseed rape (*Brassica napus* L.)". **Journal of Experimental Botany**, 9 : 1721-1733.
- Xuan LJ, Zhang CC, **Yan T**, WU DZ, et al.(2018). "TRANSPARENT TESTA 4-mediated flavonoids negatively affect embryonic fatty acid biosynthesis in Arabidopsis". **Plant Cell & Environment**, 4 : 2773-2790.
- **YAN T**, XUAN Lijie, JIANG Lixi.(2018). "Effects of flavonoids on fatty acid accumulation and its molecular mechanisms in oil-seed rape". **Journal of Zhejiang University. Agriculture and Life Science**, 3 : 253-258.

☰ Skills

Programming Skills : **R/Shell**, Python, Git.

Bioinformatics : *master in* **RNA-seq, GWAS, Population Genetic Evolution**.
familiar with most NGS-related techniques.

Data Science : *master in* **Data Manipulation and Visualization with R**.
familiar with Data Manipulation with Python and Shell.

🗣 Languages

English : Reading ● ● ● ● ● CET-6 : 516
 Listening ● ● ● ○ ○
 Speaking ● ● ● ○ ○

🏆 Honors & Awards

2017 - 2018 Model Student of Academic Records and Merit Student of Zhejiang University.

2013 - 2015 Scholarship and Merit Student of Zhejiang University(2st-class (<10%), 1 time; 3nd-class (<30%), 1 times).

💡 Interests

Sports : Table Tennis, Badminton, Climbing.

Others : Movies, Philosophy, Reading, Music, Cycling, Working out.