

# Tao Yan

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## PhD Student in Crop Genetics and Breeding

**Bio.** I am currently a 3rd-year PhD 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) of Agronomic Traits**. 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 morphotypes 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 Crop Science**, *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  
                  Writing    ● ● ● ● ○  
                  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.