

# Tan Miaomiao

Date of birth: 1991-09-14

Gender: Female

Nationality: Chinese

Marital status: Unmarried

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## **EDUCATION AND WORK**

- 2009.09 – 2013.06 Bachelor's Degree, Soochow University, Major: Horticulture
- 2013.09 – 2016.06 Master's Degree, Zhejiang University, Major: Plant Protection
- 2016.06 – Now Research Fellow, Shanghai Chenglan Science & Technology Co.Ltd

## **PROJECT EXPERIENCE**

- 2017.05 – 2017.09 Somatosensory neuron types identification by single-cell RNA sequencing  
By analyzing the high-coverage single-cell RNA-sequencing data of the mouse dorsal root ganglion, I did the neuron types classification based on the expression level of different cells.
- 2016.09 – 2016.11 Interactive visualization of gene and Brainnetome data
- 2016.06 – 2016.08 Business data analysis of Chenglan
- 2014.10 – 2016.01 The Study of g10evo Glyphosate-resistant Transgenic Soybean  
In this program, I got a transgenic soybean line G10evo using Agrobacterium-mediated transformation method, molecular analysis and field experiment indicates this line shows high resistance to glyphosate and inherit stability.
- 2013.08 – 2014.04 Expression of Cry1Ab and Cry2Ab by a Polycistronic Transgene with a Self-Cleavage Peptide in Rice  
By expressing Cry1Ab and Cry2Ab protein simultaneously using the 2A self-cleaving peptides, we got a transgenic rice line that is highly resistant to lepidopteran pests. I did the parts of molecular analysis and insect bioassay.
- 2011.04 – 2012.01 Tissue Culture and Biological Character Research of Chrysanthemum Color Chimera *SU-07*

## **GRADE**

- Weighted Average Mark: undergraduate stage/89.0, postgraduate stage/82.7
- GPA(in standard weighting algorithm): undergraduate stage/3.59, postgraduate stage/3.31

## **STANDARD TEST**

- Toefl: 95
- GRE General: 317+3.0

## **HONOR**

- The First Prize Scholarship and Second Prize Scholarship of Soochow University
- Hui-Chun Chin and Tsung-Dao Lee Chinese Undergraduate Research Endowment
- Second Prize in Challenge Cup of Soochow University
- Outstanding Graduates of Soochow University

## **PUBLICATION**

- Zhao Q, Liu M, Tan M, Gao J, Shen Z (2014) Expression of Cry1Ab and Cry2Ab by a Polycistronic Transgene with a Self-Cleavage Peptide in Rice. PLoS ONE 9(10): e110006. <https://doi.org/10.1371/journal.pone.0110006>

## **PROGRAM RELATED SKILLS**

- Computer  
Skilled in python, R. Familiar with Perl, JavaScript, html5, CSS.  
Have a lot of online courses and get certificates, such as Python for Genomic Data Science, Machine Learning Foundations, R Programming, D3.JS for Data Visualization, etc.
- Bioinformatics  
Familiar with NGS data processing workflow, including quantification, differential analysis, clustering and visualization of the high-throughput data.

## **HOBBY**

I like sports such as swimming, yoga, billiard, sometimes go hiking on the mountains. Cooking is another hobby, always happy to try some new cuisines and share them with my friends.

## **SELF-ASSESSMENT**

As a member of a team, good at communicating and cooperating with others to finish task.

As a self-learner, be able to find good ways to understand and achieve new skills.

As a bioinformatics practitioner, love to track the newest trending in this area, implement new ideal.