

Tan Miaomiao

Date of birth: 1991-08-07

Gender: Female

Nationality: Chinese

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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 – 2017.09 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: Bsc 88.9/100, Msc 82.7/100
- GPA(in standard weighting algorithm): Bsc 3.6/4, Msc 3.3/4

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
- Outstanding Award 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.