

CURRICULUM VITAE

CHENYONG MIAO

Quantitative Life Sciences Initiative
Center for Plant Science Innovation
Department of Agronomy & Horticulture
University of Nebraska-Lincoln

Office: N231 Beadle Center
Phone: (402) 310-2755
Email: cmiao@huskers.unl.edu
Web: schnablelab.org

Employment

Research Assistant, Department of Agronomy and Horticulture, University of Nebraska-Lincoln 2016-present.

Research Assistant, Genomics and Biotechnology Center, Fujian Agriculture and Forestry University 2013-2016.

Education

Graduate Agronomy (with James C. Schnable), University of Nebraska-Lincoln 2016-present.

MS Bioinformatics (with Haibao Tang), Fujian Agriculture and Forestry University 2013-2016.

BA Biotechnology, Henan University of Science and Technology 2009-2013.

Publications

3. Ray Ming, Robert VanBuren, Ching Man Wai, Haibao Tang, ...**Chenyong Miao**, ... Robert E Paull, Qingyi Yu (70 total authors). (2015) The pineapple genome and the evolution of CAM photosynthesis. *NATURE GENETICS* doi: [10.1038/ng.3435](https://doi.org/10.1038/ng.3435).
2. Haibao Tang, Xingtang Zhang, **Chenyong Miao**, Jisen Zhang, Ray Ming, James C Schnable, Patrick S Schnable, Eric Lyons, Jianguo Lu. (2015) ALLMAPS: robust scaffold ordering based on multiple maps. *GENOME BIOLOGY* doi: [10.1186/s13059-014-0573-1](https://doi.org/10.1186/s13059-014-0573-1).
1. Jingping Fang, **Chenyong Miao**, Rukai Chen, Ray Ming. (2016) Genome-Wide Comparative Analysis of Microsatellites in Pineapple. *TROPICAL PLANT BIOLOGY* doi: [10.1007/s12042-016-9163-6](https://doi.org/10.1007/s12042-016-9163-6).

Manuscripts in Review

3. Jiandong Bao, Meilian Chen, Wei Tang, Zhenhui Zhong, Lianyu Lin, Xingtang Zhang, **Chenyong Miao**, Haibao Tang, Jishen Zhang, Guodong Lu, Ray Ming, Justice Norvienyeku, Baohua Wang, Zonghua Wang. PacBio sequencing provides new insights into *Magnaporthe oryzae* genome structure.
2. Jisen Zhang, Qing Zhang, Leiting Li, Haibao Tang, Qiong Zhang, Yang Chen, Jie Arro, Aiqin Wang, **Chenyong Miao**, Ray Ming. Dissecting the Recent Polyploidization in *Saccharum* Founding Species Based on Transcriptome Sequencing.
1. **Chenyong Miao**, Jingping Fang, Pingping Liang, Xingtang Zhang, James C. Schnable, Haibao Tang. Genotype-Corrector: improved genotype calls for genetic mapping.

Poster Presentations

1. **Chenyong Miao**, Jinliang Yang, James Schnable. (2017) Comparative GWAS in *Sorghum bicolor* and *Setaria italica*. 59th Maize Genetics Conference. St. Louis, Missouri.