Name: Yan Meng

Title: Assistant Professor

Email: ymeng@alcorn.edu

Phone: 601-877-2402

Fax:

Office: 2108, Biotechnology Center

Area of Research: My research focuses on the application of viral functional genomics platform for crop production improvements, maintain plant tissue culture lab, genotyping and phenotyping of transgenic sweet potato.

Course/s Taught:

PS220: Principle Cell & Tissue Culture;

PS430: Concepts in Biotechnology;

PS205: Principal of Genetics

BT565: Advanced Molecular & Cell Biology;

BT505: Current Issue in Biotechnology;

BT545: Lab Method Tissue/Cell Culture;

Appointment: Teaching and Research

Publications: Peer reviewed journal publications only.

1. Okoli N., Ceron-Romero N., **Meng Y**. and M. O. Ezekwe (2018). Effects of a pasture-based pork production system on the expression of genes involved in lipid metabolism and meat quality characteristics. **International Journal of Nutrition and Metabolism** 10: 23-30
2. Xu W*****, **Meng Y*,** Surana P, Fuerst G, Nettleton D and Wise RP (2015). The knottin-like Blufensin gene family regulates genes involved in nuclear import and the secretory pathway in barley-powdery mildew interactions. **Frontiers in Plant Science** 6: 1-18. **(*Co-first authors**)
3. Xu W, **Meng Y**, and Wise RP **(**2014). *Mla*- and *Rom1*-mediated control of microRNA398 and chloroplast copper/zinc superoxide dismutase regulates cell death in response to the barley powdery mildew fungus. **New Phytologist** 201 (4): 1396-1412. **[Cover picture]**
4. **Meng Y** and Wise RP (2012). HvWRKY10, HvWRKY19, and HvWRKY28 regulate *Mla*-triggered immunity and basal defense to barley powdery mildew. **Molecular Plant-Microbe Interactions** 25 (11): 1492-1505. **[Cover picture]**
5. Wise RP, **Meng Y**, Moscou MJ and Xu W (2010). Regulators of innate immunity in cereal-fungal interactions. (book/chapter) in: **Biology of Plant-Microbe Interactions**. St. Paul, MN: international society for molecular plant-microbe interactions. p. 1-7.

6. Xi L, Moscou MJ, **Meng Y**, Xu W, Caldo RA, Shaver M, Nettleton D and Wise RP (2009). Transcript-based cloning of *HvRRP46*, a regulator of rRNA processing and R gene–independent cell death in barley–powdery mildew interactions. **Plant Cell** 21: 3280-3295.
7. **Meng Y**, Moscou MJ and Wise RP (2009). *Blufensin1* negatively impacts basal defense in response to barley powdery mildew. **Plant Physiology** 149**:** 258-270.
8. Hu P, **Meng Y** and Wise RP (2009). Functional contribution of chorismate synthase, anthranilate synthase, and chorismate mutase to penetration resistance in barley-powdery mildew interactions. **Molecular Plant-Microbe Interaction** 22: 311-320.
9. Betts M, Tucker SL, Galadima N, **Meng Y**, Patel G, Li L, Donofrio N, Floyd A, Nolin S, Brown D, Mandel A, Mitchell T, Xu J-R, Dean R, Farman M and Orbach M (2007). Development of a high throughput transformation system for insertional mutagenesis in *Magnaporthe oryzae*. **Fungal Genetics and Biology** 44: 1035-1049.
10. **Meng Y**, Patel G, Heist MF, Tucker SL, Galadima N, Donofrio NM, Brown D, Mitchell TK, Li L, Xu J-R, Orbach M, Thon M, Dean RA, and Farman ML (2007). A systematic analysis of T-DNA insertion events in *Magnaporthe oryzae*. **Fungal Genetics and Biology** 44:1050-1064.