

# CURRICULUM VITAE

## GUANGCHAO SUN

Quantitative Life Sciences Initiative  
Center for Plant Science Innovation  
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### Employment

NSF Supported Postdoctoral Researcher, James Schnable University of Nebraska Lincoln;

### Education

PhD Plant pathology(with Richard Wilson), University of Nebraska Lincoln 2013-2017

BA Agronomy, Northwest A&F University 2009-2013

### Honors and Awards

August 2016-May 2017, Milton E. Mohr Fellowship;

October 2016, Poster award in Plant science retreat;

July 2016, David H. & Anne E. Larrick Memorial Student Travel Funds;

September 2015-May 2016, Widaman Trust Distinguished Graduate Assistant Award.

### Peer Reviewed Publications

[Google Scholar](#)

1. Marroquin-Guzman, M\*, **Sun, G\***, & Wilson, R. A. (2017). Glucose-ABL1-TOR Signaling Modulates Cell Cycle Tuning to Control Terminal Appressorial Cell Differentiation. *PLoS GENETICS*, 13(1). doi:[10.1371/journal.pgen.1006557](https://doi.org/10.1371/journal.pgen.1006557) (\*Contributed equally).
2. Zhang, C., Song, L., Choudhary, M. K., Zhou, B., **Sun, G.**, Broderick, K., ... & Zeng, L. (2018). Genome-wide analysis of genes encoding core components of the ubiquitin system in soybean (GLYCINE MAX) reveals a potential role for ubiquitination in host immunity against soybean cyst nematode. *BMC PLANT BIOLOGY*, 18(1).149 doi:[10.1186/s12870-018-1365-7](https://doi.org/10.1186/s12870-018-1365-7)
3. Huang, D., Hu, Y., **Sun G.**, & Huang, L. (2014); Phenotype and pathogenicity of *Valsa mali* T-DNA insertion mutants. *JOURNAL OF NORTHWEST A&F UNIVERSITY, NATURE SCIENCE EDITION*, 42(7), 113-121.

### Presentations

#### *Oral Presentations*

1. Investigating Novel Regulators of Appressorial Development by the Rice Blast Fungus *Magnaporthe oryzae* (Oral presentation), UNL Plant pathology graduate student seminar, April, 2016;

*Poster Presentations*

1. A novel integral membrane protein (Imp1) mediates TOR signaling in *Magnaporthe oryzae* and is required for deterministic (non-random) appressorium formation and biotrophic growth in rice cells, 29th Fungal genetics Conference, Pacific Grove, California, March 14-19, 2017
2. Glucose-TOR signaling regulates cell cycle progression and autophagy during appressorium development by the rice blast fungus *Magnaporthe oryzae*, 2016 UNL Plant Science Retreat, October, 2016.
3. Glucose-TOR signaling regulates cell cycle progression and autophagy during appressorium development by the rice blast fungus *Magnaporthe oryzae*, 2016 IS-MPMI XVII Congress, July, 2016;
4. Exploring the biology of the rice blast fungus *Magnaporthe oryzae* (Poster presentation), 2014 UNL Plant Science Retreat, Nebraska City, October 17-18, 2014;