

YANI CHEN

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EDUCATION

Michigan State University

PhD, Plant Research Laboratory/Plant Biology Program

2008-present

National Taiwan University, Taiwan

MSc, Molecular and Cellular Biology,

Thesis title: Regulation of SUM1 Protein Stability in Response to Pachytene Checkpoint

June 2005

National Tsing Hua University, Taiwan

BSc, Mathematics

June 2003

PROFESSIONAL EXPERIENCE

Research Assistant: Institute of BioAgriculture Sciences, Academia Sinica, Taiwan

Sep 2005 – Dec 2007

Graduate Assistant: Michigan State University

2008 – present

TEACHING EXPERIENCE

Teaching Assistant:

Spring 2012 PLB 316 Experiment in Plant Biology, Michigan State University

PUBLICATIONS

1. **Chen Y** and Brandizzi F. IRE1: ER stress sensor and cell fate executor. *Trends in cell biology* 2013 (online preview)

2. **Chen Y** and Brandizzi F. Analysis of Unfolded Protein Response in Arabidopsis. *Methods in Molecular Biology* 2013; **1043**:73-80
3. **Chen Y** and Brandizzi F. AtIRE1A/AtIRE1B and AGB1 independently control two essential unfolded protein response pathways in Arabidopsis. *The plant journal* 2012; **69**:266-277.
4. **Chen Y***, Slabaugh E*, and Brandizzi F. Membrane-tethered transcription factors in Arabidopsis thaliana: novel regulators in stress response and development. *Current Opinion in Plant Biology* 2008; **11**:695-701. *These authors contributed equally to the work.
5. Faso C*, **Chen Y***, Tamura K*, Held M, Zemeli S, Marti L, Saravanan R, Hummel E, Kung L, Miller E, Hawes C, Brandizzi F. A missense mutation in the Arabidopsis COPII coat protein Sec24A induces the formation of clusters of the endoplasmic reticulum and Golgi apparatus. *The Plant Cell* 2009; **21**:3655-3671. *These authors contributed equally to the work.
6. Srivastava R, **Chen Y**, Deng Y; Brandizzi F and Howell S. Elements proximal to and within the transmembrane domain mediate the organelle-to-organelle movement of bZIP28 under ER stress conditions. *The plant journal* 2012; **6**:1033-1044
7. Conger R, **Chen Y**, Fornaciari S, Faso C, Held M, Renna L and Brandizzi F. Evidence for the involvement of the Arabidopsis SEC24A in male transmissions. *Journal of Experimental Botany* 2011
8. Moghe GD, Lehti-Shiu MD, Seddon AE, Yin S, **Chen Y**, Juntawong P, Brandizzi F, Bailey-Serres J, Shiu SH. Characteristics and significance of intergenic polyadenylated RNA transcription in Arabidopsis. *Plant Physiology* 2013; **161**:210-224
9. Moreno AA, Mukhtar MS, Blanco F, Boatwright JL, Moreno I, Jordan M, **Chen Y**, Brandizzi F, Dong X, Orellana A, Pajeroska-Mukhtar K. IRE1/bZIP60-Mediated Unfolded Protein Response Plays Distinct Roles in Plant Immunity and Abiotic Stress Responses. *PLoS ONE* 2012; 7(2)

ORAL PRESENTATIONS

1. Plant Biology 2013, Providence, USA, 2013 (committee selected talk)
2. MSU DOE-Plant Research Lab Seminar Series, 2011

AWARDS AND HONORS

1. Bessey Award for Research Excellence, Department of Plant biology, Michigan State University. 2012
2. Thesis Completion Fellowships, Michigan State University. 2013
3. Thesis Continuation Fellowships, Michigan State University. 2012
4. Travel award (Graduate School Travel Grant), Michigan State University. 2011
5. Travel award (Paul Taylor Fund), Michigan State University. 2013
6. Travel award (Paul Taylor Fund), Michigan State University. 2012
7. Travel award (Paul Taylor Fund), Michigan State University. 2011
8. Travel award (Paul Taylor Fund), Michigan State University. 2010
9. Travel award (Paul Taylor Fund), Michigan State University. 2009

POSTER PRESENTATION

Chen Y and Brandizzi F. AtIRE1A/AtIRE1B and AGB1 independently control two essential unfolded protein response pathways in Arabidopsis. ASPB. (2013) Providence, Rhode Island.

Chen Y*, Faso C*, Tamura K*, Held M, Zemeli S, Marti L, Saravanan R, Hummel E, Kung L, Miller E, Hawes C, Brandizzi F. A missense mutation in the Arabidopsis COPII coat protein Sec24A induces the formation of clusters of the endoplasmic reticulum and Golgi apparatus. ASPB (2010) Montreal, Canada.

Chen Y, Faso C, Boulaflous A, Tamura K and Brandizzi F. Exploring the integrity of the Golgi apparatus in *A. thaliana*. ASPB. 2009. Honolulu, Hawaii.

Chen Y, Aung K and Chiou T.J. Identification of Downstream Targets of UBC24 in Regulating Pi Homeostasis. 2007. Academia Sinica. Taiwan, R.O.C.

Chen Y and Tung K-S. Regulation of SUM1 protein stability in response to pachytene checkpoint. 2005. National Taiwan University. Taiwan, R.O.C.

LANGUAGES

Mandarin Chinese, English

PROFESSIONAL MEMBERSHIPS

American Society of Plant Biologists