

# Shi Yu, Ph.D.

## Research Associate

yushi@usc.edu



### Education

2009-2015 Ph.D. Plant Pathology, Physiology and Weed Science, Virginia Tech  
2005-2009 B.Eng. Biological Engineering, China Agricultural University, Beijing, China

### Postdoctoral Training

2015-2016 Plant Pathology, Physiology and Weed Science, Virginia Tech;  
Advisor: Dr. Guillaume Pilot  
2016-2017 Molecular Medicine, The Scripps Research Institute;  
Advisor: Dr. Steve Kay  
2017- Keck School of Medicine, University of Southern California  
Advisor: Dr. Steve Kay

### Research

Dr. Yu joined the Kay lab in July 2016 to explore the horizon of plant circadian clock. His current projects focus on CCA1 and other central oscillators in circadian clock, as well as circadian clock output pathways.

### Honors and Awards

2014 MPS Graduate Student Grant Competition  
2014 Graduate Student Assembly Travel Fund Program Awardee  
2012 MPS Graduate Student Grant Competition  
2012 PPWS Graduate Symposium Award Recipient

### Professional Memberships

American Society of Plant Biologists

### Publications

7. Yu S, Wu S, Dinkeloo K, Zhao B, McDowell JM, Pilot G (2016) Study of inducible GDU1 in Arabidopsis reveals connections between amino acid homeostasis and plant stress responses. (In Preparation)
6. Yu S, Pratelli R, Denbow C, Pilot G (2015) Suppressor mutations in the Glutamine Dumper1 protein dissociate disturbance in amino acid transport from other characteristics of the Gdu1D phenotype. *Front Plant Sci* 6: 593

5. **Yu S**, Pilot G (2014) Testing the efficiency of plant artificial microRNAs by transient expression in *Nicotiana benthamiana* reveals additional action at the translational level. *Front Plant Sci* 5: 622
4. Pratelli R, Guerra DD, **Yu S**, Wogulis M, Kraft E, Frommer WB, Callis J, Pilot G (2012) The Ubiquitin E3 Ligase LOSS OF GDU2 Is Required for GLUTAMINE DUMPER1-Induced Amino Acid Secretion in Arabidopsis. *Plant Physiol* 158: 1628–1642
3. Hildreth SB, Gehman EA, Yang H, Lu R-H, C RK, Harich KC, **Yu S**, Lin J, Sandoe JL, Okumoto S, Murphy AS, Jelesko, JG (2011) Tobacco nicotine uptake permease (NUP1) affects alkaloid metabolism. *PNAS* 108: 18179–18184
2. Qu G-Q, Liu X, Zhang Y-L, Yao D, Ma Q-M, Yang M-Y, Zhu W-H, **Yu S**, Luo Y-B (2009) Evidence for programmed cell death and activation of specific caspase-like enzymes in the tomato fruit heat stress response. *Planta* 229: 1269–1279
1. Liu X, Yang M-Y, Cao C, Yao D, Zhu W-H, **Yu S**, Qu G-Q (2009) Release of cytochrome *c* in tomato fruit induced by heat shock. *Journal of Northeast Agricultural University* (Chinese Core Journal) 40(1): 23-27.