

## Curriculum Vitae

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### Work experience:

2012 – 2016 Postdoctoral Fellow, Department of Cell & Systems Biology,  
University of Toronto  
2016- present Postdoctoral Fellow, Plant Reproductive Biology, UC Davis

### Education:

2004 – 2011 Ph.D. in Plant Developmental Biology, College of Life Science,  
Wuhan University, China  
2000 – 2004 Bachelor of Science, College of Life Science, Wuhan University,  
China

### Publications:

1. Topham, A. T., Taylor, R. E., **Yan, D.**, Nambara, E., Johnston, I. G. and Bassel, G. W. Temperature variability is integrated by a spatially embedded decision-making center to break dormancy in Arabidopsis seeds. *PNAS* 2017, **114**, 6629-6634
2. **Yan, D.**, Easwaran V., Chau V., Okamoto M., Lerullo M, *et al.* NIN-LIKE PROTEIN 8 is a master regulator of nitrate-promoted seed germination in Arabidopsis. *Nat. Commun.* 2016, **7**, 13179doi: 10.1038/ncomms13179
3. **Yan, D.**, Tatematsu, K., Nakabayashi, K., Endo, A., Okamoto, M. and Nambara, E. A Comparison of Transcriptomes Between Germinating Seeds and Growing Axillary Buds of Arabidopsis. *Advances in Plant Dormancy* 2015, 223-233
4. **Yan, D.**, Duermeyer, L., Leoveanu, C. and Nambara, E. The Functions of the Endosperm During Seed Germination. *Plant Cell Physiol* 2014, **55**:1521-1533.
5. Hong LW, **Yan DW**, Liu WC, Chen HG, Lu YT. TIME FOR COFFEE controls root meristem size by changes in auxin accumulation in Arabidopsis. *J Exp Bot* 2014, **65**:275-286
6. Wang J, **Yan DW**, Yuan TT, Gao X, Lu YT. A gain-of-function mutation in IAA8 alters Arabidopsis floral organ development by change of jasmonic acid level. *Plant Mol Biol* 2013, **82**:71-83
7. **Yan DW**, Wang J, Yuan TT, Hong LW, Gao X, Lu YT. Perturbation of auxin homeostasis by overexpression of wild-type IAA15 results in impaired stem cell differentiation and gravitropism in roots. *PLoS One* 2013, **8**:e58103
8. Hu YQ, Liu S, Yuan HM, Li J, **Yan DW**, Zhang JF, *et al.* Functional comparison of catalase genes in the elimination of photorespiratory H<sub>2</sub>O<sub>2</sub> using promoter- and 3'-untranslated region exchange experiments in the Arabidopsis cat2 photorespiratory mutant. *Plant Cell and Environment* 2010, **33**:1656-1670
9. Zhang JF, Yuan LJ, Shao Y, Du W, **Yan DW**, Lu YT. The disturbance of small RNA pathways enhanced abscisic acid response and multiple stress responses in Arabidopsis. *Plant Cell and Environment* 2008, **31**:562-574
10. Lu YZ, **Yan DW**, Lu YT. Identification of microRNAs from rice. *Functional Plant Biology* 2005, **32**:963-971

## **Presentations:**

1. **Yan D.\***, Easwaran V., and Nambara E. NIN-LIKE PROTEIN 8 is a master regulator of nitrate-promoted seed germination in *Arabidopsis*. 22nd International Plant Growth Substances Association (IPGSA) conference (IPGSA) 2016. (Poster presentation)
2. Duermeyer L.\*, **Yan D.**, and Nambara E. The role of ethylene action on CYP707A2 in seed germination. 25th International Conference on Arabidopsis Research (ICAR) 2014. (Poster presentation)
3. Ludovice D.\*, **Yan D.**, and Nambara E. Characterization of NCED and CYP707A gene families encoding ABA metabolic enzymes of Arabidopsis. 25th International Conference on Arabidopsis Research (ICAR) 2014. (Poster presentation)
4. **Yan D.**, Tatematsu K., Nakabayashi K., Endo A., Okamoto M and Nambara E.\* Transcriptome analysis on Arabidopsis seed germination: its functional studies and a comparative study with axillary shoot outgrowth. Plant Dormancy Symposium 2013. (Oral presentation)
5. **Yan D.** and Nambara E\*. NLP8 regulates nitrate-induced ABA catabolism during Arabidopsis seed germination. 4th Workshop on the Molecular Aspects of Seed Dormancy and Germination 2013. (Oral presentation)

\*presented