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工作经历

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邀请报告

1. Cold-induced epigenetic switching underlying vernalization. Cold Spring Harbor Asia conference: Frontiers of Plant Biology--Plant Epigenetics in Growth and Development, June 2015, Suzhou, China

2. Antagonistic roles for H3K36me3 and H3K27me3 during vernalization mediated *FLC* epigenetic switch. 首都师范大学, 2014 年 12 月, 北京
3. Antagonistic roles for H3K36me3 and H3K27me3 in *FLC* epigenetic switch during vernalization. 南京农业大学, 2014 年 11 月, 南京
4. Tug of War: Antagonistic roles for H3K36me3 and H3K27me3 in *FLC* epigenetic switch. Cambridge Epigenetics Symposium, June 2014, Cambridge, UK

发表文章

1. **Yang, H.** *, Berry, S. *, Olsson, T., Hartley, M., Howard, M., and Dean, C. Mechanistically distinct phases of Polycomb silencing to hold epigenetic memory of cold. **Science**, under review. (* Co-first authors).
2. **Yang, H.**, Howard, M., and Dean, C. (2016). Physical coupling of activation and de-repression activities to maintain an active transcriptional state at *FLC*. **PNAS** 113, 9369-74.
3. Wu, Z., Ietswaart, R., Liu, F., **Yang, H.**, Howard, M., and Dean, C. (2016). Quantitative regulation of *FLC* via coordinated transcriptional initiation and elongation. **PNAS** 113, 218-223.
4. Angel, A., Song, J., **Yang, H.**, Questa, J.I., Dean, C., and Howard, M. (2015). Vernalizing cold is registered digitally at *FLC*. **PNAS** 112, 4146-4151.
5. **Yang, H.**, Howard, M., and Dean, C. (2014). Antagonistic roles for H3K36me3 and H3K27me3 in the cold-induced epigenetic switch at *Arabidopsis FLC*. **Curr Biol** 24, 1793-1797.
6. Crevillen, P., **Yang, H.**, Cui, X., Greeff, C., Trick, M., Qiu, Q., Cao, X., and Dean, C. (2014). Epigenetic reprogramming that prevents transgenerational inheritance of the vernalized state. **Nature** 515, 587-590.
7. Li, C., Xu, J., Li, J., Li, Q., and **Yang, H.** (2014). Involvement of *Arabidopsis* histone acetyltransferase *HAC* family genes in the ethylene signaling pathway. **Plant Cell Physiol** 55, 426-435.
8. Li, C., Xu, J., Li, J., Li, Q., and **Yang, H.** (2014). Involvement of *Arabidopsis HAC* family genes in pleiotropic developmental processes. **Plant Signal Behav** 9, e28173.

9. **Yang, H.**, Han, Z., Cao, Y., Fan, D., Li, H., Mo, H., Feng, Y., Liu, L., Wang, Z., Yue, Y., et al. (2012). A companion cell-dominant and developmentally regulated H3K4 demethylase controls flowering time in *Arabidopsis* via the repression of *FLC* expression. **PLoS Genet** 8, e1002664.
10. **Yang, H.***, Mo, H.*, Fan, D., Cao, Y., Cui, S., and Ma, L. (2012). Overexpression of a histone H3K4 demethylase, *JMJ15*, accelerates flowering time in *Arabidopsis*. **Plant Cell Rep** 31, 1297-1308. (* Co-first authors).
11. Fan, D., Dai, Y., Wang, X., Wang, Z., He, H., **Yang, H.**, Cao, Y., Deng, X.W., and Ma, L. (2012). IBM1, a JmjC domain-containing histone demethylase, is involved in the regulation of RNA-directed DNA methylation through the epigenetic control of *RDR2* and *DCL3* expression in *Arabidopsis*. **Nucleic Acids Res** 40, 8905-8916.
12. Li, W., Wang, Z., Li, J., **Yang, H.**, Cui, S., Wang, X., and Ma, L. (2011). Overexpression of *AtBMI1C*, a polycomb group protein gene, accelerates flowering in *Arabidopsis*. **PLoS ONE** 6, e21364.

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