

简历



白洋，男，博士，中国科学院遗传与发育生物学研究所研究员，博士生导师。2005年毕业于武汉大学生物技术系，获得学士学位。2007年获得武汉大学植物发育生物学硕士学位。2010年获得德国科隆大学博士学位。2011-2015年进入德国马克斯普朗克植物育种研究所从事根系微生物群落与植物互作的研究。2017年入选中组部“青年千人计划”。研究方向：利用宏基因组测序、微生物菌群培养和人工重组等技术，从微生物群落水平，研究根系微生物在农作物营养高效、抗病和抗逆等重要生理过程中的作用。

主要论文：

Jin, T., Wang, Y., Huang, Y., Xu, J., Zhang, P., Wang, N., Liu, X., Chu, H., Liu, G., Jiang, H., Li, Y., Xu, J., Kristiansen, K., Xiao, L., Zhang, Y., Zhang, G., Zhang, H., Zou, H., Zhang, H., Jie, Z., Liang, S., Jia, H., Wan, J., Lin, D., Li, J., Fan, G., Yang, H., Wang, J., **Bai, Y.***, Xu, X.* Taxonomic structure and functional association of foxtail millet root microbiome. **GigaScience**.2017

白洋, 钱景美, 周俭民, 钱韦. (2016) 农作物微生物组：跨越转化临界点的现代生物技术. *中国科学院院刊* 32:3.260–265

Muller, BD., Vogel, C., **Bai, Y.** and Vorholt, AJ. (2016) The plant microbiota: systems and synthetic biology insights and perspectives. **Annual Review of Genetics** 50:9.1–9.24

Bai, Y.#, Müller, BD.#, Srinivas, G.#, Garrido-Oter, R.#, Potthoff, E., Rott, M., Dombrowski, N., Münch, CP., Spaepen S., Remus-Emsermann, M., Hüttel, B., McHardy, AC., Vorholt, AJ., and Schulze-Lefert, P. (2015) Functional overlap of the Arabidopsis leaf and root microbiotas. **Nature** 528, 364-369.

• Highlighted in: news and views in Nature 2015 Dec. 02

Zamioudis, C., Korteland, J., Van Pelt JA., van Hamersveld M, Dombrowski, N., **Bai, Y.**, Hanson, J., Van Verk MC., Ling, HQ., Schulze-Lefert, P., and Pieterse, C. (2015). Rhizobacterial volatiles and photosynthesis-related signals coordinate MYB72 in Arabidopsis roots during onset of induced systemic resistance and iron deficiency responses. **Plant J** 86, 309-322.

Bai, Y.#, Vaddepalli, P.#, Fulton, L.#, Bhasin, H.#, Hulskamp, M., and Schneitz, K. (2013). ANGUSTIFOLIA is a central component of tissue morphogenesis mediated by the atypical receptor-like kinase STRUBBELIG. **BMC Plant Biol** 13, 16.

Bai, Y.#, Falk, S.#, Schnittger, A.#, Jakoby, M.J., and Hulskamp, M. (2010). Tissue layer specific regulation of leaf length and width in Arabidopsis as revealed by the cell autonomous action of ANGUSTIFOLIA. **Plant J** 61, 191-199.