

## CURRICULUM VITAE

### GAO, Junping (Mr.)

Department of Ornamental Horticulture

China Agricultural University (formerly Beijing Agricultural University)

Beijing 100094 China

### EDUCATION

Ph.D. Sept 1991, Okayama University, Japan; Advisor: Prof. Akitsugu Inaba

M.S. July 1985, Northwestern Agricultural University, China; Advisor: Prof Guoyi Lu

B.S. July 1982, Shanxi Agricultural University, China

### PROFESSIONAL EXPERIENCE

- Professor, Department of Ornamental Horticulture, China Agricultural University (1997–present)
- Visiting Professor, Boyce Thompson Institute for Plant Research, Cornell University, USA (2007)
- Visiting Professor, Lab of Postharvest Agriculture, Okayama University, Okayama, Japan (2002)
- Visiting Scholar, Plant Pathology Lab, Bar-Iran University, Israel (1999–2000)
- Associate Professor, Department of Ornamental Horticulture and Landscape Architecture, China Agricultural University (1993–1997)
- Postdoctoral Fellow, Department of Ornamental Horticulture and Landscape Architecture, China Agricultural University (1991–1993)
- Assistant Professor, College of Horticulture, Northwestern Agricultural University, China (1985–1987)

### Selected Publications

1. Shuai Zhang, Ming Feng, Wen Chen, Xiaofeng Zhou, Jingyun Lu, Yaru Wang, Yonghong Li, Cai-Zhong Jiang, Su-Sheng Gan, Nan Ma, and Junping Gao, 2019, In rose, transcription factor PTM balances growth and drought survival via PIP2;1 aquaporin. *Nature Plants*, 5: 290-299.
2. Nan Ma, Chao Ma, Yang Liu, Muhammad Owais Shahid, Chengpeng Wang, Junping Gao, 2018, Petal senescence: a hormone view. *Journal of Experimental Botany*, 69 (4): 719-732.

3. Qian Wei, Chao Ma, Yanjie Xu, Tianle Wang, Yiyu Chen, Jing Lü, Lili Zhang, Cai-zhong Jiang, Bo Hong, Junping Gao, 2017, Control of chrysanthemum flowering through integration with an aging pathway. *Nature Communications*, 8: 829.
4. Lin Wu, Nan Ma, Yangchao Jia, Yi Zhang, Ming Feng, Cai-Zhong Jiang, Chao Ma, Junping Gao, 2017, An ethylene-induced regulatory module delays rose flower senescence by regulating cytokinin content. *Plant Physiology*, 173: 853-862
5. Yingjie Yang, Chao Ma, Yanjie Xu, Qian Wei, Muhammad Imtiaz, Lina Cheng, Haibo Lan, Zhangjun Fei, Bo Hong, Junping Gao, 2014, A zinc finger protein influences flowering time and abiotic stress tolerance in chrysanthemum by modulating gibberellins biosynthesis. *Plant Cell*, 26: 2038-2054.
6. Yonglu Meng, Nan Ma, Qian Zhang, Qi You, Na Li, Xiaojing Liu, Lin Wu, Zhen Su, Junping Gao, 2014, Precise spatio-temporal modulation of ACC synthase by MPK6 cascade mediates the response of rose flowers to rehydration. *Plant Journal*, 79: 941-950.
7. Peitao Lü, Changqing Zhang, Jitao Liu, Xiaowei Liu, Guimei Jiang, Xinqiang Jiang, Khan, Muhammad Ali Khan; Liangsheng Wang, Bo Hong, Junping Gao, 2014, RhHB1 mediates the antagonism of gibberellins to ABA and ethylene during rose (*Rosa hybrida*) petal senescence. *Plant Journal*, 78: 578-590.
8. Xinqing Jiang, Changqing Zhang, Peitao Lü, Guimei Jiang, Xiaowei Liu, Fanwei Dai, Junping Gao, 2014, RhNAC3, a SNAC transcription factor, confers dehydration tolerance through regulating osmotic stress-related genes in rose petals. *Plant Biotechnology Journal*, 12: 38-48
9. Daofeng Liu, Xiaojing Liu, Yonglu Meng, Cuihui Sun, Hongshu Tang, Yudong Jiang, Muhammad Ali Khan, Jingqi Xue, Nan Ma, Junping Gao, 2013, An organ-specific role for ethylene in rose petal expansion during dehydration and rehydration. *Journal of Experimental Botany*, 64: 2333-2344
10. Jing Luo, Nan Ma, Haixia Pei, Jiwei Chen, Jing Li, Junping Gao, 2013, A DELLA gene, RhGAI1, is a direct target of EIN3 and mediates ethylene-regulated rose petal cell expansion via repressing the expression of RhCesA2. *Journal of Experimental Botany*, 64: 5075-5084
11. Wen Chen, Xia Yin, Lei Wang, Ji Tian, Rouyun Yang, Daofeng Liu, Zhenhao Yu, Nan Ma, Junping Gao, 2013, Involvement of rose aquaporin RhPIP1;1 in ethylene-regulated petal expansion through interaction with RhPIP2;1. *Plant Molecular Biology*, 83: 219-233
12. Haixia Pei, Man Ma, Ji Tian, Jing Luo, Jing Li, Jiwei Chen, Yi Zheng, Xiang Chen, Zhangjun Fei, Junping Gao, 2013, A NAC transcription factor, RhNAC100 is involved in ethylene-regulated cell expansion in rose petals. *Plant Physiology*, 163: 775-791.
13. Fanwei Dai, Changqing Zhang, Xinqiang Jiang, Mei Kang, Xia Yin, Peitao Lü, Xiao Zhang, Yi Zheng, Junping Gao, 2012, RhNAC2 and RhEXPA4 are involved in the regulation of dehydration tolerance during the expansion of rose petals. *Plant Physiology*, 160: 2064-2082
14. Nan Ma, Jingqi Xue, Yunhui Li, Xiaojing Liu, Fanwei Dai, Wensuo Jia, Yunbo Luo, and Junping Gao, 2008, Rh-PIP2;1, an aquaporin gene, is involved in ethylene-regulated petal expansion in roses (*Rosa hybrida*). *Plant Physiology*, 148: 894-907