

Curriculum Vitae

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Education:

1978-1982 Bachelor

Fujian Agriculture & Forestry University, Fujian, China

1986-1988 Ad hoc student

Research School of Biological Sciences/Department of Forestry

Australian National University, Canberra, Australia

1989-1992 Ph. D

Department of Biology

Peking University

Beijing, China

Working Experience:

1992-1993 Post doctoral researcher

Institute of Botany, Chinese Academy of Sciences (CAS), Beijing, China

1994-1995 Associate professor

Institute of Botany, Chinese Academy of Sciences (CAS)

1995-2011 Professor, PI, Director

Research Center of Molecular Physiology

Institute of Botany, Chinese Academy of Sciences (CAS)

2011-2014	PI, Director Assistant Institute of Botany Chinese Academy of Sciences (CAS)
2014-2021	Dean College of Biological Sciences Beijing Forestry University Beijing, China
2021-Present	Director Research Institute of Tree Development & Genome Editing Beijing Forestry University Beijing, China

Working Experience Abroad:

1996.03-1998.03	Max-Planck Institute in Köln, Germany
2000.05-2000.12	Department of Biology, University of Antwerpen, Belgium
2001.06-2001.12	Department of Plant Science, University of Cambridge, UK
2004.03-2004.06	Department of Plant Science, University of Bonn and University of Gissen, Germany

Research Fields:

Plant Cell Biology, Tree Physiology

Academic Honors:

- 1996, China Youth Science and Technology Award
- 2002, China National Fund for Distinguished Young Scientists
- 2002, Hundred Talents Program of CAS
- 2003—2008, Vice president, Beijing Botanical Society
- 2008—2018, President, Beijing Botanical Society
- 2008—2017, 2022-Now, Member of National Committee of CPPCC
- 2015—Now, Vice president, China Society of Microscopy
- 2016—Now, Board Member, Discipline (Biology) Inspection of State Council

Main Publications (since 2010)

- Yaning Cui, Hongping Qian, Jinhuan Yin, Changwen Xu, Pengyun Luo, Xi Zhang, Meng Yu, Bodan Su, Xiaojuan Li & **Jinxing Lin***. 2023. Single-molecule analysis unveils the phosphorylation of FLS2 regulates its spatiotemporal dynamics and immunity. [eLife \(online\)](#)
- Yayu Guo, Shufang Wang, Keji Yu, Houling Wang, Huimin Xu, Chengwei Song, Yuanyuan Zhao, Jialong Wen, Chunxiang Fu, Yu Li, Shuizhong Wang, Xi Zhang, Yan Zhang, Yuan Cao, Fenjuan Shao, Xiaohua Wang, Xin Deng, Tong Chen, Qiao Zhao, Lei Li, Guodong Wang, Paul Grünhofer, Lukas Schreiber, Yue Li, Guoyong Song, Richard A. Dixon* & **Jinxing Lin***. 2023. Manipulating microRNA miR408 enhances both biomass yield and saccharification efficiency in poplar. [Nature Communications](#) 14: 4285.
- Yaning Cui, Xi Zhang, Xiaojuan Li & **Jinxing Lin***. 2023. Multiscale microscopy to decipher plant cell structure and dynamics. [New Phytologist](#) 237: 1980-1997.
- Ruili Li, Jing Xu, Zengxing Qi, Shiwei Zhao, Ran Zhao, Yanrui Ge, Ruofan Li, Xiuya Kong, Zhenying Wu, Xi Zhang, Qizouhong He, Yan Zhang, Pingli Liu, Lei Zhu, Jianfeng Mao, Chunxiang Fu, George Komis, Paul Grünhofer, Lukas Schreiber & **Jinxing Lin***. 2023. High-resolution genome mapping and functional dissection of chlorogenic acid production in *Lonicera maackii*. [Plant Physiology](#) 192: 2902-2922.
- Chengwei Song, Yayu Guo, Weiwei Shen, Xiaomin Yao, Huimin Xu, Yuanyuan Zhao, Ruili Li* & **Jinxing Lin***. 2023. *PagUNE12* encodes a basic helix-loop-helix transcription factor that regulates the development of secondary vascular tissue in poplar. [Plant Physiology](#) 192: 1046-1062.
- Ruili Li, Ran Zhao, Mei Yang, Xi Zhang & **Jinxing Lin***. 2023. Membrane microdomains: structural and signaling platforms for establishing membrane polarity. [Plant Physiology](#) 8: kiad444.
- Zhaogeng Lu, Likui Zhu, Jinkai Lu, Nan Shen, Lu Wang, Sian Liu, Qingjie Wang, Wanwen Yu, Hisashi Kato-Noguchi, Weixing Li, Biao Jin, Li Wang* & **Jinxing Lin***. 2022. Rejuvenation increases leaf biomass and flavonoid accumulation in *Ginkgo biloba*. [Horticulture Research](#) 9: uhab018.
- Huimin Xu, Yuanyuan Zhao, Yuanzhen Suo, Yayu Guo, Yi Man, Yanping Jing, Xinqiang He & **Jinxing Lin***. 2021. A label-free, fast and high-specificity technique for plant cell wall imaging and composition analysis. [Plant Methods](#) 17: 29.

- Pingli Liu, Xi Zhang, Jianfeng Mao, Yanming Hong, Rengang Zhang, Yilan E, Shui Nie, Kaihua Jiang, Chenkun Jiang, Jian He, Weiwei Shen, Qizouhong He, Wenqing Zheng, Samar Abbas, Pawan Kumar Jewaria, Xuechan Tian, Changjun Liu, Xiaomei Jiang, Yafang Yin, Bo Liu, Li Wang, Biao Jin, Yongpeng Ma, Zongbo Qiu, František Baluška, Jozef Šamaj, Xinqiang He, Shihui Niu, Jianbo Xie, Lei Xie, Huimin Xu, Hongzhi Kong, Song Ge, Richard A. Dixon, Yuannian Jiao* & **Jinxing Lin***. 2021. The *Tetracentron* genome provides insight into the early evolution of eudicots and the formation of vessel elements. [**Genome Biology**](#) 21: 291.
- Yanmei Chen, Chunxiang Fu, Zhenying Wu, Huimin Xu, Hongmei Liu, Harald Schneider & **Jinxing Lin**. 2021. *Ginkgo biloba*, genome of the month. [**Trends in Genetics**](#) 37: 488-489.
- Bodan Su, Xi Zhang, Li Li, Sammar Abbas, Meng Yu, Yaning Cui, František Baluška, Inhwon Hwang, Xiaoyi Shan* & **Jinxing Lin***. 2021. Dynamic spatial reorganization of BSK1 complexes in the plasma membrane underpins signal-specific activation for growth and immunity. [**Molecular Plant**](#) 14: 588-603.
- Liang Zhang, Jingwen Ma Huan Liu, Qian Yi, Yanan Wang, Jingjing Xing, Peipei Zhang, Shengdong Ji, Mingjun Li, Jingyuan Li, Jinbo Shen & **Jinxing Lin***. 2021. SNARE proteins VAMP721 and VAMP722 mediate the post-Golgi trafficking required for auxin-mediated development in *Arabidopsis*. [**Plant Journal**](#) 108: 426-440.
- Jingjing Xing, Zhikun Duan, Liang Zhang, Xi Zhang & **Jinxing Lin***. 2021. 3D Imaging of lipid-guided vesicle trafficking along the cytoskeleton. [**Trends in Plant Science**](#) 26: 421-422.
- Li Wang, Jiawen Cui, Biao Jin, Jianguo Zhao, Huimin Xu, Zhaogeng Lu, Weixing Li, Xiaoxia Li, Linling Li, Eryuan Liang, Xiaolan Rao, Shufang Wang, Chunxiang Fu, Fuliang Cao, Richard A. Dixon* & **Jinxing Lin***. 2020. Multifeature analyses of vascular cambial cells reveal longevity mechanisms in old *Ginkgo biloba* trees. [**Proceedings of the National Academy of Sciences USA**](#) 117: 2201-2210.
- Weiwei Shen, Lingyu Ma, Xi Zhang, Xixia Li, Yuanyuan Zhao, Yanping Jing*, Yun Feng, Xueke Tan, Fei Sun & **Jinxing Lin***. 2020. Three-dimensional reconstruction of *Picea wilsonii* Mast. pollen grains using automated electron microscopy. [**Science China Life Science**](#) 63,171-179.
- Jingjing Xing, Liang Zhang, Zhikun Duan and **Jinxing Lin**. 2020. Coordination of phospholipid-based signaling and membrane trafficking in plant immunity. [**Trends in Plant Science**](#) 26: 407-420.

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- Haiyan Zhang, Hui Zhang & **Jinxing Lin***. 2020. Systemin-mediated long-distance systemic defense responses. [New Phytologist](#) 226, 1573-1582.
- Jingjing Xing, Xiaojuan Li, Xiaohua Wang, Xueqin Lv, Li Wang, Liang Zhang, Yingfang Zhu, Qianhua Shen, František Baluška, Jozef Šamaj & **Jinxing Lin***. 2019. Secretion of phospholipase D δ functions as a regulatory mechanism in plant innate immunity. [Plant Cell](#) 31: 3015-3032.
- Liang Zhang, Jingjing Xing & **Jinxing Lin***. 2019. At the intersection of exocytosis and endocytosis in plants. [New Phytologist](#) 224: 1479-1489.
- Xi Zhang, Yaning Cui, Meng Yu, Bodan Su, Wei Gong, František Baluška, George Komis, Jozef Šamaj, Xiaoyi Shan* & **Jinxing Lin***. 2019. Phosphorylation-mediated dynamics of nitrate transceptor NRT1.1 regulate auxin flux and nitrate signaling in lateral root growth. [Plant Physiology](#) 181: 480-498.
- Yuanyuan Zhao, Yi Man, Jialong Wen, Yayu Guo & **Jinxing Lin***. 2019. Advances in imaging plant cell walls. [Trends in Plant Science](#) 24: 867-878.
- Xi Zhang, Yaning Cui, Meng Yu & **Jinxing Lin***. 2019. Single-molecule techniques for imaging exo-endocytosis coupling in cells. [Trends in Plant Science](#) 24: 879-880.
- Yaning Cui, Xi Zhang, Meng Yu, Yingfang Zhu, Jingjing Xing & **Jinxing Lin***. 2019. Techniques for detecting protein-protein interactions in living cells: principles, limitations, and recent progress. [Science China Life Science](#) 62: 619-632.
- Yaning Cui, Meng Yu, **Jinxing Lin*** & Xiaojuan Li*. 2018. Single-particle tracking for the quantification of membrane protein dynamics in living plant cells. [Molecular Plant](#) 11: 1315-1327.
- Yaning Cui, Xiaojuan Li, Meng Yu, Ruili Li, Lusheng Fan, Yingfang Zhu & **Jinxing Lin***. 2018. Sterols regulate endocytic pathways during flg22-induced defense in *Arabidopsis*. [Development](#) 145: 1-12.

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- Yiqun Xue, Jingjing Xing, Yinglang Wan, Xueqin Lv, Lusheng Fan, Yongdeng Zhang, Kai Song, Li Wang, Xiaohua Wang, Xin Deng, František Baluška, John M. Christie & **Jinxing Lin***. 2018. *Arabidopsis* blue light receptor phototropin 1 undergoes blue light-induced activation in membrane microdomains. [Molecular Plant](#) 11: 846-859.
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- Yingfang Zhu, yuqing Wang, Ruili Li, Xiufen Song, Qinli Wang, Shanjin Huang, Jingbo Jin, Chunming Liu & **Jinxing Lin***. 2010. Analysis of interactions among the CLAVATA3 receptors reveals a direct interaction between CLAVATA2 and CORYNE in *Arabidopsis*. [**Plant Journal**](#) 61: 223-233.
- Liu Q, Zhao Y, Wan Y, Zheng J, Zhang X, Wang C, Fang X* & **Jinxing Lin***. 2010. Study of the inhibitory effect of water-soluble fullerenes on plant growth at the cellular level. [**ACS Nano**](#) 4, 5743-5748.
- Qinli Wang, Bo Chen, Peng Liu, Maozhong Zheng, Yuqing Wang, Sujuan Cui, Daye Sun, Xiaohong Fang, Chun-Ming Liu, William J. Lucas & **Jinxing Lin***. 2010. Calmodulin binds to extracellular sites on the plasma membrane of plant cells and elicits a rise in intracellular calcium concentration. [**Journal of Biological Chemistry**](#) 284: 12000-12007.

