

CURRICULUM VITAE

University of Idaho

NAME: Xiao, Fangming

DATE: October 10, 2024

RANK OR TITLE: Professor

DEPARTMENT: Plant Sciences

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DATE OF FIRST EMPLOYMENT AT UI: September 1, 2008

DATE OF TENURE: June 2014

DATE OF PRESENT RANK OR TITLE: June 2021

EDUCATION BEYOND HIGH SCHOOL:

Degrees:

Ph.D., Kansas State University, Manhattan, Kansas, 2002. Dissertation title: Molecular Dissection of Pto-Mediated Disease Resistance in Tomato

M.S., Sichuan University, Chengdu, China, 1995. Thesis title: Molecular Cloning and Expression of an *Endoglucanase* Gene from *Bacillus subtilis* in *Escherichia coli*

B.S., Sichuan University, Chengdu, China, 1990

EXPERIENCE:

Teaching, Extension and Research Appointments:

Professor, Department of Plant Sciences, University of Idaho, June 2021-present

Associate Professor, Department of Plant Sciences, University of Idaho, June 2014-2020

Assistant Professor, Department of Plant Sciences, University of Idaho, 2010-2013

Assistant professor, Department of Microbiology, Molecular Biology and Biochemistry, University of Idaho, 2008-2010

Post-doctoral fellow, Boyce Thompson Institute for Plant Research at Cornell University, Ithaca NY.

Mentor: Gregory Martin, 2003-2008

TEACHING ACCOMPLISHMENTS:

Areas of Specialization:

Plant Molecular Biology; Plant-Microbe Interactions

Courses Taught:

PISc440/MMBB440 *Advanced Laboratory Techniques* (4 credits, 2009-present)

PISc207/MMBB204 *Introduction to Biotechnology* (3 credits, 2010-present)

MMBB589: *Advanced Topics in Molecular Biology, Microbiology & Biochemistry* (6-hour lectures, Fall 2008, 2009, 2010)

MMBB401 *Undergraduate research*

MMBB600 *Doctoral Research and Dissertation*

PISc 402 *Undergraduate Research in Plant Science*

PISc 597 *Teaching Practicum*

PISc 500 *Master's Research and Thesis*

PISc 600 *Doctoral Research and Dissertation*

SCHOLARSHIP ACCOMPLISHMENTS:**Publications:****Peer Referred (since 2014; *: corresponding author and directed research):**

- Huang L., Yuan Y, Ramiez C, Zhao Z., Chen T., Griebel T., Kud J, Kuhl JC, Caplan A, Dandurand L-M, **Xiao F*** (2024) A receptor for dual ligands governs plant immunity and hormone response and is targeted by a nematode effector. *Proceedings of the National Academy of Sciences*. 2024 Oct 15;121(42): e2412016121. doi: 10.1073/pnas.2412016121. Epub 2024 Oct 10.
- Huang L., Yuan Y, Ramiez C, Xia C., Zhang C., Kud J, Kuhl JC, Caplan A, Dandurand L-M, Xiao F* (2024) The potato RNA metabolism machinery is targeted by the cyst nematode effector RHA1B for successful parasitism. *The Plant Cell*. 2024 Sep 26:koae264. doi: 10.1093/plcell/koae264. Online ahead of print. PMID: 39325717
- Yuan Y., Fan Y, Huang L, Lu H, Tan B, Ramirez C, Xia C, Niu X, Chen S, Gao M, Zhang C, Liu Y, Xiao F* (2024). The SINA1-BSD1 Module Regulates Vegetative Growth Involving Gibberellin Biosynthesis in Tomato. *Advanced Science*. 2024 Aug 27:e2400995. doi: 10.1002/advs.202400995. Online ahead of print. PMID: 39190572
- Huang L, Yuan Y, Lewis C, Kud J, Kuhl JC, Caplan A, Dandurand LM, Zasada I, **Xiao F*** (2023). NILR1 perceives a nematode ascaroside triggering immune signaling and resistance. *Curr Biol*. 2023 Sep 25;33(18):3992-3997.e3. doi: 10.1016/j.cub.2023.08.017. Epub 2023 Aug 28. PMID: 37643618
- Lu H, Niu X, Fan Y, Yuan Y, Huang L, Zhao B, Liu Y, **Xiao F***(2023). The extensin protein SAE1 plays a role in leaf senescence and is targeted by the ubiquitin ligase SINA4 in tomato. *J Exp Bot*. 2023 Sep 29;74(18):5635-5652. doi: 10.1093/jxb/erad242. PMID: 37368909
- Lu H, Fan Y, Yuan Y, Niu X, Zhao B, Liu Y, **Xiao F*** (2023). Tomato SISTK is involved in glucose response and regulated by the ubiquitin ligase SISINA4. *Plant Sci*. 2023 Jun;331:111672. doi: 10.1016/j.plantsci.2023.111672. Epub 2023 Mar 13. PMID: 36921631
- Zhao Z, Ding Z, Huang J, Meng H, Zhang Z, Gou X, Tang H, Xie X, Ping J, **Xiao F**, Liu YG, Xie Y, Chen L. (2023). Copy number variation of the restorer Rf4 underlies human selection of three-line hybrid rice breeding. *Nat Commun*. 2023 Nov 13;14(1):7333. doi: 10.1038/s41467-023-43009-4. PMID: 37957162
- Niu X, Lu H, Fan Y, Wang W, Yuan Y, Hawkins M, Zhang J, Ye Z, Miao M, Liu Y, **Xiao F*** (2022) Manipulation of the transcription factor SINAC1 for improved tolerance to abiotic stress in tomato. *Plant Cell Environ*. 2022 Dec;45(12):3537-3550. doi: 10.1111/pce.14437. Epub 2022 Sep 30
- Zhou Y, Huang S, Tang W, Wu Z, Sun S, Qiu Y, Wang H, Chen X, Tang X, **Xiao F**, Liu Y, Niu X (2022) Genomic Variation and Host Interaction among *Pseudomonas syringae* pv. *actinidiae* Strains in *Actinidia chinensis* 'Hongyang'. *Int J Mol Sci*. 2022 Aug 28;23(17):9743. doi: 10.3390/ijms23179743.
- Kud J, Pillai SS, Raber G, Caplan A, Kuhl JC, **Xiao F**, Dandurand LM. (2022) Belowground Chemical Interactions: An Insight Into Host-Specific Behavior of *Globodera* spp. Hatched in Root Exudates From Potato and Its Wild Relative, *Solanum sisymbriifolium*. *Front Plant Sci*. 2022 Jan 12;12:802622. doi: 10.3389/fpls.2021.802622. eCollection 2021.
- Wang Y, Feng G, Zhang Z, Liu Y, Ma Y, Wang Y, Ma F, Zhou Y, Gross R, Xu H, Wang R, **Xiao F**, Liu Y, Niu X (2021) Overexpression of Pti4, Pti5, and Pti6 in tomato promote plant defense and fruit ripening. *Plant Sci*. 2021 Jan;302:110702. doi: 10.1016/j.plantsci.2020.110702. Epub 2020 Oct 4. PMID: 33288015

- Solo N, Kud J, Dandurand LM, Caplan A, Kuhl JC, **Xiao F**. (2021) Characterization of Superoxide Dismutase from the Potato Cyst Nematode, *Globodera pallida*. *Phytopathology*. 2021 Nov 11:PHYTO01210021R. doi: 10.1094/PHYTO-01-21-0021-R.
- Fan Y, Niu X, Huang L, Gross R, Lu H, Hawkins M, Yuan Y, Miao M, Liu Y, **Xiao F*** (2020). A novel BSD domain-containing transcription factor controlling vegetative growth, leaf senescence and fruit quality in tomato. *J Exp Bot*. 2020 Aug 26:eraa393. doi: 10.1093/jxb/eraa393.
- Wixom AQ, Casavant NC, Sonnen TJ, Kuhl JC, **Xiao F#**, Dandurand LM, Caplan AB (2020). Initial responses of the trap-crop, *Solanum sisymbriifolium*, to *Globodera pallida* invasions. *Plant Genome*. 2020 Jul;13(2):e20016. doi: 10.1002/tpg2.20016. Epub 2020 Apr 16.
- Cui L, Zheng F, Wang J, Zhang C, **Xiao F#**, Ye J, Li C, Ye Z, Zhang J (2020). miR156a-targeted SBP-Box transcription factor SISPL13 regulates inflorescence morphogenesis by directly activating SFT in tomato. *Plant Biotechnol J*. 2020 Aug;18(8):1670-1682. doi: 10.1111/pbi.13331. Epub 2020 Jan 25.
- Gross R, Zhang S, Wei L, Caplan A, Kuhl J, Dandurand L-M, Wang X, **Xiao F*** (2020). The *Globodera pallida* effector GpPDI1 is a functional thioredoxin and triggers defense-related cell death independent of its enzymatic activity. *Phytopathology*. 2020 Nov;110(11):1838-1844. doi: 10.1094/PHYTO-02-20-0038-R. Epub 2020 Sep 10.
- Cui L, Zheng F, Wang J, Zhang C, **Xiao F#**, Ye J, Li C, Ye Z, Zhang J (2020). miR156a-targeted SBP-Box transcription factor SISPL13 regulates inflorescence morphogenesis by directly activating SFT in tomato. *Plant Biotechnol J*. 2020 Jan 8. doi: 10.1111/pbi.13331.
- Zhang S, Li C, Ren H, Zhao T, Li Q, Wang S, Zhang Y, **Xiao F***, Wang X* (2020). BAK1 mediates light Intensity to phosphorylate and activate catalases to regulate plant growth and development. *Int J Mol Sci*. 2020 Feb 20;21(4). pii: E1437. doi: 10.3390/ijms21041437.
- Kud J., Solo N, Caplan A, Kuhl JC, Dandurand L-M*, **Xiao F*** (2019). *In situ* hybridization of plant-parasitic nematode *Globodera pallida* juveniles to detect gene expression. *Bio-protocol* 9(18): e3372. DOI: 10.21769/BioProtoc.3372.
- Kud J., Wang W, Yuan Y, Caplan A, Kuhl JC, Dandurand L-M*, **Xiao F*** (2019). Functional characterization of RING-type E3 ubiquitin ligases in vitro and in planta. *J Vis Exp*. (154), e60533, doi:10.3791/60533 (2019).
- Diaz-Granados A, Sterken MG, Overmars H, Ariaans R, Holterman M, Pokhare SS, Yuan Y, Pomp R, Finkers-Tomczak A, Roosien J, Slootweg E, Elashry A, Grundler FMW, **Xiao F#**, Goverse A, Smant G (2019). The effector GpRbp-1 of *Globodera pallida* targets a nuclear HECT E3 ubiquitin ligase to modulate gene expression in the host. *Mol Plant Pathol*. 2019 Nov 22. doi: 10.1111/mpp.12880.
- Levy JG, Gross R, Mendoza Herrera MA, Tang X, Babilonia K, Shan L, Kuhl J, Dibble M, **Xiao F#**, Tamborindeguy C (2019). Lso-HPE1, an effector of *Candidatus Liberibacter solanacearum* can repress plant immune response. *Phytopathology*. 2019 Nov 7. doi: 10.1094/PHYTO-07-19-0252-R.
- Kooliyottil R, Dandurand LM, Kuhl JC, Caplan A, **Xiao F#**, Mimeo B, Lafond-Lapalme J (2019). Transcriptome analysis of *Globodera pallida* from the susceptible host *Solanum tuberosum* or the resistant plant *Solanum sisymbriifolium*. *Sci Rep*. 2019 Sep 13;9(1):13256. doi: 10.1038/s41598-019-49725-6.
- Kud J, Wang W, Gross R, Fan Y, Huang L, Yuan Y, Gray A, Duarte A, Kuhl JC, Caplan A, Goverse A, Liu Y, Dandurand LM*, **Xiao F*** (2019). The potato cyst nematode effector RHA1B is a ubiquitin ligase and uses two distinct mechanisms to suppress plant immune signaling. *PLoS Pathog*. 2019 Apr 12;15(4):e1007720. doi: 10.1371/journal.ppat.1007720. eCollection 2019 Apr.

- Sheng Y, Yan X, Huang Y, Han Y, Zhang C, Ren Y, Fan T, **Xiao F[#]**, Liu Y, Cao S (2019). The WRKY transcription factor, WRKY13, activates PDR8 expression to positively regulate cadmium tolerance in Arabidopsis. *Plant Cell Environ.* 2019 Mar;42(3):891-903. doi: 10.1111/pce.13457.
- Wang W, Fan Y, Niu X, Miao M, Kud J, Zhou B, Zeng L, Liu Y-S*, **Xiao F*** (2018). Functional analysis of the seven in absentia ubiquitin ligase family in tomato. *Plant Cell and Environment.* 2018 Jan 10. doi: 10.1111/pce.13140.
- Ren Y, Miao M, Meng Y, Cao J, Fan T, Yue J, **Xiao F[#]**, Liu Y, Cao S (2018). DFR1-mediated inhibition of proline degradation pathway regulates drought and freezing tolerance in Arabidopsis. *Cell Report.* 2018 Jun 26;23(13):3960-3974.
- Sheng Y, Yan X, Huang Y, Han Y, Zhang C, Ren Y, Fan T, **Xiao F[#]**, Liu Y, Cao S (2018). The WRKY transcription factor, WRKY13, activates PDR8 expression to positively regulate cadmium tolerance in Arabidopsis. *Plant Cell and Environment.* 2018 Oct 12. doi: 10.1111/pce.13457.
- Wixom AQ, Casavant NC, Kuhl JC, **Xiao F[#]**, Dandurand LM, Caplan AB (2018). Assessment of an organ-specific de novo transcriptome of the nematode trap-crop, *Solanum sisymbriifolium*. *G3* (Bethesda). 2018 Jul 2;8(7):2135-2143.
- Liu J, Huang S, Niu X, Chen D, Chen Q, Tian L, **Xiao F[#]**, Liu Y-S (2018). Genome-wide identification and validation of new reference genes for transcript normalization in developmental and post-harvested fruits of *Actinidia chinensis*. *Gene.* 2018 Mar 1;645:1-6. doi: 10.1016/j.
- Feng G, Huang S, Liu Y, **Xiao F[#]**, Liu J, Zhang Z, Chen Q, Mao Y, Cao X, Wang Y, Chen D, Zhou Y, Yu F, Liu G, Liu Y, Niu X. (2018) The transcriptome analyses of *Tagetes erecta* provides novel insights into secondary metabolite biosynthesis during flower development. *Gene.* 2018 Jun 20;660:18-27.
- Kooliyottil R, Dandurand LM, Kuhl JC, Caplan A, **Xiao F[#]** (2017). Microaspiration of *Solanum tuberosum* root cells at early stages of infection by *Globodera pallida*. *Plant Methods.* 2017 Aug 24;13:68. doi: 10.1186/s13007-017-0219-x.
- Casavant NC, Kuhl JC, **Xiao F[#]**, Caplan AB, Dandurand LM (2017). Assessment of *Globodera pallida* RNA extracted from *Solanum* roots. *Journal of Nematology.* 2017 Mar;49(1):12-20.
- Ramachandran SR, Yin C, Kud J, Tanaka K, Mahoney AK, **Xiao F[#]**, Hulbert SH (2017). Effectors from wheat rust fungi suppress multiple plant defense responses. *Phytopathology.* 2017 Jan;107(1):75-83. Epub 2016 Oct 18.
- Miao M, Niu X, Kud J, Du X, Avila J, Devarenne TP, Kuhl JC, Liu Y, **Xiao F*** (2016). The ubiquitin ligase SEVEN IN ABSENTIA (SINA) ubiquitinates a defense-related NAC transcription factor and is involved in defense signaling. *New Phytologist.* 2016 Jul;211(1):138-48. doi: 10.1111/nph.13890.
- Chen J, Yang L, Yan X, Liu Y, Wang R, Fan T, Ren Y, Tang X, **Xiao F[#]**, Liu Y, Cao S (2016). Zinc-finger transcription factor ZAT6 positively regulates cadmium tolerance through the glutathione-dependent pathway in Arabidopsis. *Plant Physiology.* 2016 May;171(1):707-19. doi: 10.1104/pp.15.01882.
- Tang X, Miao M, Niu X, Zhang D, Cao X, Jin X, Zhu Y, Fan Y, Wang H, Liu Y, Sui Y, Wang W, Wang A, **Xiao F[#]**, Giovannoni J, Liu Y-S (2015) Ubiquitin-conjugated degradation of golden 2-like transcription factor is mediated by CUL4-DDB1-based E3 ligase complex in tomato. *New Phytologist.* 2015 Sep 9. doi: 10.1111/nph.13635.
- Chen J, Yang L, Gu J, Bai X, Ren Y, Fan T, Han Y, Jiang L, **Xiao F[#]**, Liu Y, Cao S (2015). MAN3 gene regulates cadmium tolerance through the glutathione-dependent pathway in Arabidopsis thaliana. *New Phytologist.* 2015 Jan;205(2):570-82. doi: 10.1111/nph.13101. Epub 2014 Oct 20.

Miao, M, Zhu Y, Qiao M, Tang X, Zhao W, **Xiao F[#]**, and Liu Y-S (2014). The tomato DWD motif-containing protein DDII interacts with the CUL4–DDB1-based ubiquitin ligase and plays a pivotal role in abiotic stress responses. *Biochemistry Biophysics Research Communications*. 450(4):1439-1445

Peer Referred (before 2014; *: corresponding author and directed research; #:co-author and completed lab experiments and wrote sections of the paper):

Huang S, Ding J, Deng D, Tang W, Sun H, Liu D, Zhang, L, Niu X, Zhang X, Meng M, Yu J, Liu J, Han Y, Shi W, Zhang D, Cao S, Wei Z, Cui Y, Xia Y, Zeng H, Bao K, Lin L, Min Y, Zhang H, Miao M, Tang X, Zhu Y, Sui Y, Li G, Sun H, Yue J, Sun J, Liu F, Zhou L, Lei L, Zheng X, Liu M, Huang L, Song J, Xu C, Li J, Ye K, Zhong S, Lu B, He G, **Xiao F[#]**, Wang H, Zheng H, Fei Z, Liu Y-S (2013) Draft genome of the kiwifruit *Actinidia chinensis*. *Nature Communication*. 2013;4:2640. doi: 10.1038/ncomms3640

Zeng, D-E, Hou P, **Xiao F[#]**, Liu Y-S (2013). Overexpression of Arabidopsis *XERICO* gene confers enhanced drought and salt stress tolerance in rice (*Oryza Sativa* L.). *Journal of Plant Biochemistry and Biotechnology*. DOI 10.1007/s13562-013-0236-4

Tang, X, Tang Z, Huang S, Liu J, Liu J, Shi W, Tian X, Li Y, Zhang D, Yang J, Gao Y, Zeng D, Hou P, Niu X, Cao Y, Li G, Li X, **Xiao F[#]**, Liu Y-S (2013). Whole transcriptome sequencing reveals genes involved in plastid/chloroplast division and development are regulated by the HP1/DDB1 at the early stage of tomato fruit development. *Planta*. 238(5):923-36.

Du, Y, Zhao J, Chen T, Liu Q, Zhang H, Wang Y, Hong Y, **Xiao F[#]**, Zhang L, Shen Q, Liu Y-L (2013). Type I J-domain NbMIP1 proteins are required for both tobacco mosaic virus infection and plant innate immunity. *PLoS Pathogen*. 2013;9(10):e1003659. doi: 10.1371/journal.ppat.1003659. Epub 2013 Oct 3.

Kud J, Zhao Z, Du X, Liu Y, Zhao Y, **Xiao, F*** (2013). SGT1 interacts with the Prf resistance protein and is required for Prf accumulation and Prf-mediated defense signaling. *Biochemistry Biophysics Research Communications*. 2013 Feb 15;431(3):501-5. doi: 10.1016/j.bbrc.2013.01.028. Epub 2013 Jan 16.

Huang W, Miao M, Kud J, Niu X, Ouyang B, Zhang J, Ye Z, Kuhl J, Liu Y-S, **Xiao, F*** (2013) SINAC1, a Stress-Related Transcription Factor, Is Fine-Tuned on Both Transcriptional and Post-Translational Levels. *New Phytologist*, 197(4):1214-24.

Tang J, Yu X, Luo N, Xiao F, Camberato J, Jiang Y (2013). Natural variation of salinity response, population structure and candidate genes associated with salinity tolerance in perennial ryegrass accessions. *Plant Cell & Environment*. doi:10.1111/pce.12112.

Zhang H., Niu X, Liu J., **Xiao F[#]**, Cao, S, Liu Y-S (2013). RNAi-directed down-regulation of vacuolar H⁺-ATPase subunit A results in enhanced stomatal aperture and density in rice. *PLoS One* 8(7): e69046. doi:10.1371/journal.pone.0069046

Zhang P, Deng H, **Xiao F**, Liu Y-S (2013). Alterations of alternative splicing patterns of Ser/Arg-rich (SR) genes in response to hormones and stresses treatments in different ecotypes of rice (*Oryza sativa*). *Journal of Integrative Agriculture*. 12(5): 737-748.

Cao Y, Tang X, Giovanoni J, **Xiao F[#]**, Liu Y-S (2012). Functional characterization of a COBRA-like gene in fruit development and ripening in tomato. *BMC Plant Biology*. 2012 Nov 10;12:211. doi: 10.1186/1471-2229-12-211.

Tang X, Liu J, Huang S, Shi W, Tang D, Niu X, Miao M, Xiao F, Liu Y, Liu J, Miao M, Giovanoni J, **Xiao F***, Liu Y-S* (2012). Roles of UV-damaged DNA binding protein 1 (DDB1) in epigenetically modifying multiple traits of agronomic importance in tomato. *Plant Signaling and Behavior*. 2012 Oct 16;7(12)

Liu J, Tang X, Gao L, Gao Y, Li Y, Huang S, Sun X, Miao M, Zeng H, Tian X, Niu X, Zheng L, Giovannoni J, **Xiao, F.***, Liu, Y-S*. (2012) A role of tomato UV-damaged DNA binding

- protein 1 (DDB1) in organ size control via an epigenetic manner. *PLoS One*. 2012;7(8):e42621. Epub 2012 Aug 21.
- Du X, Miao M, Ma X, Liu Y, Kuhl J-C, Martin G-B, **Xiao F*** (2012). Plant programmed cell death caused by an autoactive form of Prf is suppressed by co-expression of the Prf LRR domain. *Molecular Plant*. 5(5):1058-67.
- Liu J, Miao M, Giovanoni J, **Xiao F***, Liu Y-S* (2012). The tomato DNA damaged binding protein 1 (DDB1) is implicated in *PR* gene expression and resistance to *Agrobacterium tumefaciens*. *Molecular Plant Pathology*. 13(2):123-34.
- Zhang X, Zou Z, Gong P, Zhang J, Ziaf K, Li H, **Xiao F#**, Ye Z (2011). Over-expression of microRNA169 confers enhanced drought tolerance to tomato. *Biotechnology Letters*. (33) 403-409.
- Zhang X, Li, H, Zhang J, Zhang C, Gong P, Ziaf K, **Xiao F#**, Ye Z (2010). Expression of artificial microRNAs in tomato confers efficient and stable virus resistance in a cell-autonomous manner. *Transgenic Research*. 10.1007/s11248-010-9440-3.
- Dong J^S, **Xiao F^S**, Fan F^S (^S: co-first authors), Gu L, Cang H, Martin, G-B, Chai J (2009). Crystal structure of the complex between *Pseudomonas* AvrPtoB and the Pto tomato kinase reveals it has both a shared and a unique interface compared with AvrPto-Pto. *The Plant Cell*. (21) 1846-1859.
- Xiao F**, Giavalisco P, Martin G-B (2007). *Pseudomonas syringae* type III effector AvrPtoB is phosphorylated in plant cells on serine 258 promoting its virulence activity. *J Biol Chem* (282) 30737-30744.
- Xiao F**, He P, Abramovitch R, Dawson J, Nicholson L, Sheen J, Martin G-B (2007). The N-terminal region of *Pseudomonas* type III effector AvrPtoB elicits Pto-dependent immunity and has two distinct virulence determinants. *The Plant Journal*, (52) 595-614.
- Rosebrock T, Zeng L, Brady J, Abramovitch R, **Xiao F#**, Martin G-B (2007). A bacterial E3 ligase targets a host protein kinase to promote plant disease. *Nature* (448) 370-374.
- Anderson J, Pascuzzi P, **Xiao F#**, Sessa G, Martin G-B (2006) Host-mediated phosphorylation of type III effector AvrPto promotes *Pseudomonas* virulence in tomato. *The Plant Cell* (18) 502-514.
- Xiao F**, Goodwin M, Xiao Y, Sun Z, Baker D, Tang X, Jenks M, Zhou J-M (2004). Arabidopsis CYP86A2 represses *Pseudomonas syringae* type III genes and is required for cuticle development. *EMBO J*. (23) 2903-2913.
- Xiao F**, Lu M, Li J, Zhao T, Yi S Y, Thara V, Tang X, Zhou J-M (2003) *Pto* mutants differentially activate *Prf*-dependent, *avrPto*-independent resistance and Gene-for-Gene resistance. *Plant Physiology* (131) 1239-1249.
- Kang K, Li J, Zhao T, **Xiao F#**, Tang X, Thilmony R, He S, Zhou J-M (2003). Interplay of the Arabidopsis nonhost resistance gene *NHO1* with bacterial virulence. *Proc. Natl. Acad. Sci. USA* (100) 3519-3524.
- Xiao F**, Tang X, Zhou J-M (2001). Expression of 35S::*Pto* globally activates defense-related genes in tomato plants. *Plant Physiology* (126) 1637-1645.
- Zhong R, Dong W, **Xiao F#**, Yuan S, Wu, B (2000). Fertility characteristic and RAPD/RELP analysis of a new heritable indica-japonica rice hybrid sterile mutant 91FS. *Chin. J. Appl. Environ. Biol.* (6) 423-427.
- Xiao F**, Zhong R, Gao F, Wu, B (1998). RAPD analyses of indica-japonica rice hybrid female-sterile mutant 91FS and its parents. *Chin. J. Appl. Environ. Biol.* (3) 235-237.
- Xiao F** and Zhang Y (1996). Transformation of *Bacillus circulans* and expression of neutral protease gene. *Journal of Sichuan University, China* (30) 106-109.

Xiao F and Zhang Y (1996). Molecular cloning and expression of an *endoglucanase* gene from *Bacillus subtilis* in *Escherichia coli*. *Chinese Journal of Biotechnology*, special issue 87-91.

Invited Research Lectures (since 2014):

European Society of Nematologists Conference, April 2024, Ghent, Spain.

Department of Nematology, University of California, Riverside, February 2024, CA.

Departments and Members of the Dahlem Centre of Plant Sciences, Free University of Berlin, October 2023, Berlin, Germany

Department of Plant Pathology, Washington State University, February 2020, WA

XXXVIII Plant & Animal Genome Conference, January 2020, San Diego, CA

The International Sustainable Agriculture & Food Systems Summit (SAFS-2019), September 2019, Berlin, Germany.

Shanghai Chenshan Plant Science Research Center. Shanghai, China. May 2019.

European Society of Nematologists Conference, September 2018, Ghent, Belgium.

Departments and Members of the Dahlem Centre of Plant Sciences, Free University of Berlin, September 2018, Berlin, Germany

College of Horticulture, Anhui Agricultural University. June 2018, Hefei, China.

Swammerdam Institute for Life Sciences, May 2018, University of Amsterdam, Amsterdam, Netherlands

Laboratory of Nematology, Wageningen University. March 2017, Wageningen, Netherlands

College of Horticulture, University of Northwest Agriculture and Forest, June 2017, Yanglin, China

College of Agronomy Sandong Agriculture University. June 2016, Tai-An, China.

Institute of Crop Sciences, Chinese Academy of Agricultural Sciences. Beijing, China. July 2015.

School of Biotechnology and Food Engineering, Hefei University of Technology, Anhui, China, July 2014.