Kenichi Tsuda, Ph.D.

Curriculum Vitae

National Key Laboratory of Agricultural Microbiology
Hubei Hongshan Laboratory
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Interdisciplinary Science Research Institute
College of Plant Science and Technology
Huazhong Agricultural University
No.1 Shizishan Road, Hongshan
Wuhan, Hubei, 430070, China

EDUCATION

2001 Apr – 2004 Sep	**Hokkaido University**, Sapporo, Japan Ph.D., BioScience
1999 Apr – 2001 Mar	**Hokkaido University**, Sapporo, Japan M.S., BioScience
1995 Apr – 1999 Mar	**Hokkaido University**, Sapporo, Japan B.S., Biological Sciences

RESEARCH EXPERIENCE

2019 Sep – present	**Professor**, Huazhong Agricultural University Plant Innate Immunity
2019 Jan – 2019 Aug	**Research Group Leader**, Max Planck Institute for Plant Breeding Research Plant Immune Network Structure and Dynamics
2011 Dec – 2018 Dec	**Group Leader**, Max Planck Institute for Plant Breeding Research Plant Immune Network Structure and Dynamics
2010 Apr – 2011 Nov	**Research Associate**, University of Minnesota (Advisor: Dr. Fumiaki Katagiri) Plant immune mechanisms
2005 Apr – 2010 Mar	**Postdoctoral Researcher,** University of Minnesota (Advisor: Dr. Fumiaki Katagiri) Plant immune mechanisms
2004 Oct – 2005 Mar	**Postdoctoral Researcher,** Hokkaido University (Advisor: Dr. Kotaro Yamamoto) Plant transcriptional mechanisms during abiotic stresses
1999 Apr – 2004 Sep	**Graduate Research,** Hokkaido University (Advisor: Dr. Kenichi Yamazaki) Plant transcriptional mechanisms during abiotic stresses
1998 Apr – 1999 Mar	**Undergraduate Research**, Hokkaido University (Advisor: Dr. Kenichi Yamazaki) Plant transcriptional mechanisms during abiotic stresses

TEACHING EXPERIENCE

2020 spring-present	**Lecturer: Molecular Plant Pathology (HZAU)**
2012-present	**Supervisor of graduate students, postdocs and technicians**
2011	**Lecturer: PBIO 5960 Engineering Genetically Modified Organisms (GMOs)**-How transgenic plants and microbes can be used to tackle global problems University of Minnesota: Responsibilities include designing the course (1 credit) and giving lectures in the class.
2005 – 2011	**Supervisor of Undergraduate Directed Research Projects**, University of Minnesota: Responsibilities include designing undergraduate research projects and advising undergraduate students.
1999 –2004	**Teaching Assistant**, Hokkaido University: Course: Molecular Biology
1999 – 2004	**Adjunct Lecturer**, Hokkaido Prefectural School of Hygiene (Sapporo, Japan): Course: Biology (Introductory biology)
1999 – 2003	**Adjunct Lecturer**, Hokkaido High Technology College (Eniwa, Japan): Course: Biology (Lab course)
1999 – 2001 Japan):	**Adjunct Lecturer**, Otaru Dental Institute College (Otaru, Course: Biology (Introductory biology)

PUBLICATIONS [Total citation=13688 times; h-index=54; September 17 2025 (Google Scholar)]

98. Osayande IS, Han X, Tsuda K: Dynamic shifts in plant-microbe relationships. **Plant Biotechnology**, 42: 274-277 (2025)
*corresponding author

97. Li M, Yin J, **Tsuda K**, Han X*: Competition and cooperation in microbe-microbe interactions during plant disease development. **Acta Phytopathologica Sinica**, 55: 922-936 (2025)

96. Hong K, Nakano M, Tang Y, Jeanguenin L, Kang W, Wang Y, Zuo L, Li P, He J, Jiang W, Huang R, Matsui H, Wang Y, Nakagami H, Li B, Li X, Xie K, Fukushima K, Guo L, Han X, Katagiri F, Hattori M, **Tsuda K***: Emergence of isochorismate-based salicylic acid biosynthesis within Brassicales. **Proceedings of the National Academy of Sciences USA**, 122: e2506170122 (2025)
*corresponding author

95. Li C，Li S, Feng L, Cheng J, Xie J, Lin Y, Fu Y, **Tsuda K**, Jiang D, Chen T*: Arabidopsis OTU2 deubiquitinates cysteine protease RD21A to enhance clubroot resistance. **The Plant Journal**, 122: e70148 (2025)

94. Wang Z, Yin J, **Tsuda K***: Harnessing *Aspergillus* and host M genes for sustainable phyllosphere microbiome engineering. **Crop Health**, 3: 6 (2025)
*corresponding author

93. Du Y, Han X, **Tsuda K***: Microbiome-mediated plant disease resistance: recent advances

and future directions. **Journal of General Plant Pathology**, 91: 1-17 (2025)
*corresponding author

92. Entila F, **Tsuda K***: Taming of the microbial beasts: Plant immunity tethers potentially pathogenic microbiota members. **BioEssays**, 47: 2400171 (2025)
*corresponding author

91. Ding M#, Osayande IS#, **Tsuda K***: Selenium nanoboosting of plant-beneficial microbiome. **Cell Host & Microbe**, 32: 2045-2047 (2024)
*corresponding author

90. Du X, Li P, Fan C, Tian J, Lin Y, Xie J, Cheng J, Fu Y, Jiang D, Yuan M, Yu X, **Tsuda K**, Li B*: Holliday junction resolvase RuvC targets biofilm eDNA and confers plant resistance to vascular pathogens. **Nature Plants**, 10: 1710-1723 (2024)

89. Nakagami S*, Kajiwara T, **Tsuda K**, Sawa S: CLE peptide signaling in plantmicrobe interactions. **Frontiers in Plant Science**, 15: 1481650 (2024)

88. Nakagami S#, Wang Z#, Han X, **Tsuda K***: Regulation of Bacterial Growth and Behavior by Host Plant. **Annual Review of Phytopathology**, 62: 69-96 (2024)
*corresponding author

87. Liu X, Igarashi D, Hillmer RA, Stoddard T, Lu Y, **Tsuda K**, Myers CL, Katagiri F*: Decomposition of dynamic transcriptomic responses during effector-triggered immunity reveals conserved responses in two distinct plant cell populations. **Plant Communications**, 5: 100882 (2024)

86. Wang D, Wei L, Ma J, Wan Y, Huang K, Sun Y, Wen H, Chen Z, Li Z, Yu D, Cui H, Wu J, Wu Y, Tae Kim S, Zhao J, Parker JE, **Tsuda K***, Jiang C*, Wang Y*: Bacillus cereus NJ01 induces SA- and ABA-mediated immunity against bacterial pathogens through the EDS1-WRKY18 module. **Cell Reports**, 43: 113985 (2024)
*corresponding author

85. Jian Y, Gong D, Wang Z, Liu L, He J, Han X, **Tsuda K***: How plants manage pathogen infection. **EMBO Reports**, 25: 31-44 (2024)
*corresponding author

84. Entila F, Han X, Mine A, Schulze-Lefert P, **Tsuda K***: Commensal lifestyle regulated by a negative feedback loop between *Arabidopsis* ROS and the bacterial T2SS. **Nature Communications**, 15: 456 (2024)
*corresponding author

83. Zhao X#, Wang Y#, Yuan B#, Zhao H#, Wang Y, Tan Z, Wang Z, Wu H, Li G, Song W, Gupta R, **Tsuda K**, Ma Z, Gao X, Gu Q*: Temporally-coordinated bivalent histone modifications of *BCG1* enable fungal invasion and immune evasion. **Nature Communications**, 15: 231 (2024)

82. Hillmer RA#, Igarashi D#, Stoddard T, Lu Y, Liu X, **Tsuda K**, Katagiri F*: The Kinetics and Basal Levels of the Transcriptome Response During Effector-Triggered Immunity in

Arabidopsis are mainly controlled by Four Immune Signaling Sectors. **Journal of Bioinformatics and Systems Biology**, 6: 347-363 (2023)

81. Wang Y, Yu H, Xu Y, Wu M, Zhang J, **Tsuda K**, Liu S, Jiang D, Chen W, Wei Y, Li G, Yang L*: Expression of a mycoparasite protease in plant petals suppresses the petal-mediated infection by necrotrophic pathogens. **Cell Reports**, 42: 113290 (2023)

80. Han X, **Tsuda K***: Divide and conquer: Spatiotemporal plant innate immunity at the single-cell resolution. **Cell Host & Microbe**, 31: 1601-1603 (2023)
*corresponding author

79. Cao Y#, Kümmel F#, Logemann E, Gebauer JM, Lawson AW, Yu D, Uthoff M, Keller B, Jirschitzka J, Baumann U, **Tsuda K**, Chai J*, Schulze-Lefert P*: Structural polymorphisms within a common powdery mildew effector scaffold as a driver of coevolution with cereal immune receptors. **Proceedings of the National Academy of Sciences USA**, 120: e2307604120 (2023)

78. Wang D#, Wei L#, Liu T, Ma J, Huang K, Guo H, Huang Y, Zhang L, Zhao J, **Tsuda K**, Wang Y*: Suppression of ETI by PTI priming to balance plant growth and defense through an MPK3/MPK6-WRKYs-PP2Cs module. **Molecular Plant**, 16: 903-918 (2023)

77. Saijo Y*, Betsuyaku S, Toyota M, **Tsuda K**: A Continuous Extension of Plant Biotic Interactions Research. **Plant Cell and Physiology**, 63: 1321-1323 (2022)

76. Nobori T, Cao Yu, Entila F, Dahms E, Tsuda Y, Garrido-Oter R, **Tsuda K***: Dissecting the co-transcriptome landscape of plants and their microbiota. **EMBO Reports**, 23: e55380 (2022)
*corresponding author

75. Harris JM*, Bede J, **Tsuda K**: Focus on the Role of the Abiotic Environment on Interactions Between Plants and Microbes. **Molecular Plant-Microbe Interactions**, 35: 510 (2022)

74. Omae N, **Tsuda K***: Plant-Microbiota Interactions in Abiotic Stress Environments. **Molecular Plant-Microbe Interactions**, 35: 511-526 (2022)
*corresponding author

73. Hou S, **Tsuda K***: Salicylic acid and jasmonic acid crosstalk in plant immunity. **Essays in Biochemistry**, 66: 647-656 (2022)
*corresponding author

72. Nakano M#, Omae N#, **Tsuda K***: Inter-organismal phytohormone networks in plant-microbe interactions. **Current Opinion in Plant Biology**, 68: 102258 (2022)
*corresponding author

71. Samaradivakara SP, Chen H, Lu Y, Li P, Kim Y, **Tsuda K**, Mine A, Day B*: Overexpression of NDR1 leads to pathogen resistance at elevated temperatures. **New Phytologist**, 235: 1146-1162 (2022)

70. Han X, **Tsuda K***: Evolutionary footprint of plant immunity. **Current Opinion in Plant Biology**, 67: 102209 (2022)
*corresponding author

69. **Tsuda K***: Editorial Feature: Meet the PCP Editor – Kenichi Tsuda. **Plant Cell and Physiology**, 63: 1-3 (2022)
*corresponding author

68. Jia Z, Han X, **Tsuda K***: An Efficient Method for DNA Purification-Free PCR from Plant Tissue. **Current Protocols**, 1: e289 (2021)
*corresponding author

67. Takemura C, Senuma W, Hayashi K, Minami A, Terazawa Y, Kaneoka C, Sakata M, Chen M, Zhang Y, Nobori T, Sato M, Kiba A, Ohnishi K, **Tsuda K**, Kai K, Hikichi Y*: PhcQ mainly contributes to the regulation of quorum sensing-dependent genes, in which PhcR is partially involved, in *Ralstonia pseudosolanacearum* strain OE1-1, **Molecular Plant Pathology**, 22: 1538-1552 (2021)

66. Jia Z, Ding M, Nakano M, Hong K, Huang R, Becker D, Glazebrook J, Katagiri F, Han X, **Tsuda K***: DNA purification-free PCR from plant tissue, **Plant Cell and Physiology**, 62: 1503-1505 (2021)
*corresponding author

65. Winkelmüller TM#, Entila F#, Anver S#, Piasecka A, Song B, Dahms E, Sakakibara H, Gan X, Kułak K, Sawikowska A, Krajewski P, Tsiantis M, Garrido-Oter R, Fukushima K, Schulze-Lefert P, Laurent S, Bednarek P, **Tsuda K***: Gene expression evolution in pattern-triggered immunity within *Arabidopsis thaliana* and across Brassicaceae species. **Plant Cell**, 33: 1863-1887 (2021)
*corresponding author

64. Yu P#, He X#, Baer M, Beirinckx S, Tian T, Moya YAT, Zhang X, Deichmann M, Frey FP, Bresgen V, Li C, Razavi BS, Schaaf G, von Wiren N, Su Z, Bucher M, **Tsuda K**, Goormachtig S, Chen X*, Hochholdinger F*: Plant flavones enrich rhizosphere Oxalobacteraceae to improve maize performance under nitrogen deprivation. **Nature Plants**, 7: 481-499 (2021)

63. Lu Y, **Tsuda K***: Intimate association of PRR- and NLR-mediated signaling in plant immunity. **Molecular Plant-Microbe Interactions**, 34: 3-14 (2021)
*corresponding author

62. Nobori T#, Wang Y#, Wu J, Christina Stolze S, Tsuda Y, Finkemeier I, Nakagami H, **Tsuda K***: Multidimensional gene regulatory landscape of a bacterial pathogen in plants. **Nature Plants**, 6: 883-896 (2020)
*corresponding author

61. Wang Y, Garrido-Oter R, Wu J, Winkelmuller TM, Agler M, Colby T, Nobori T, Kemen E, **Tsuda K***: Site-specific cleavage of bacterial MucD by secreted proteases mediates antibacterial resistance in *Arabidopsis*. **Nature Communications**, 10: 2853 (2019)
*corresponding author
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60. Nobori T, **Tsuda K***: The plant immune system in heterogeneous environments. **Current Opinion in Plant Biology**, 50: 58-66 (2019)
*corresponding author

59. Adachi H*, **Tsuda K**: Convergence of cell-surface and intracellular immune receptor signalling. **New Phytologist**, 221: 1676-1678 (2019)

58. Uemura T#*, Nakano RT#, Takagi J, Wang Y, Kramer K, Finkemeier I, Nakagami H, **Tsuda K**, Ueda T, Schulze-Lefert P, Nakano A: A Golgi-released subpopulation of the *trans*-Golgi network mediates constitutive and pathogen-inducible protein secretion in Arabidopsis. **Plant Physiology**, 179: 519-532 (2019)

57. Berens ML, Wolinska KW, Spaepen S, Ziegler J, Nobori T, Nair A, Krüler V, Winkelmüller TM, Wang Y, Mine A, Becker D, Garido-Oter R, Schulze-Lefert P*, **Tsuda K***: Balancing trade-offs between biotic and abiotic stress responses through leaf age-dependent variation in stress hormone crosstalk. **Proceedings of the National Academy of Sciences USA**, 116: 2364-2373 (2019)
*corresponding author

56. Wang Y, Schuck S, Wu J, Yang P, Döring AC, Zeier J*, **Tsuda K***: A MPK3/6-WRKY33-ALD1-Pipecolic acid Regulatory Loop Contributes to Systemic Acquired Resistance. **Plant Cell**, 10: 2480-2494 (2018)
*corresponding author
Highlighted in Castroverde **Plant Cell**, 10: 2238-2239 (2018)

55. Nobori T, **Tsuda K***: *In planta* Transcriptome Analysis of *Pseudomonas syringae*. **Bio-protocol**, 8: 2987 (2018)
*corresponding author

54. Mine A, Seyfferth C, Kracher B, Berens ML, Becker D, **Tsuda K***: The Defense Phytohormone Signaling Network Enables Rapid, High-amplitude Transcriptional Reprogramming During Effector-Triggered Immunity. **Plant Cell**, 30: 1199-1219 (2018)
*corresponding author

53. Nobori T#, Mine A#, **Tsuda K***: Molecular networks in plant-pathogen holobiont. **FEBS Letters**, 592: 1937-1953 (2018)
*corresponding author

52. Nobori T, Velásquez AC, Wu J, Kvitko BH, Kremer JM, Wang Y, He SY*, **Tsuda K***: Transcriptome landscape of a bacterial pathogen under plant immunity. **Proceedings of the National Academy of Sciences USA**,115: E3055-E3064 (2018)
*corresponding author
Spotlighted in Cohen et al **Trends Plant Sci**, 23: 751-753 (2018)

51. Jacob F, Kracher B, Mine A, Seyfferth C, Blanvillain-Baufume S, Parker JE, **Tsuda K**, Schulze-Lefert P*, Maekawa T*: A dominant-interfering *camta3* mutation compromises primary transcriptional outputs mediated by both cell surface and intracellular immune receptors in *Arabidopsis thaliana*. **New Phytologist**, 217: 1667-1680 (2018)

50. **Tsuda K***: Division of Tasks: Defense by the Spatial Separation of Antagonistic Hormone Activities. **Plant and Cell Physiology**, 59: 3-4 (2018)
*corresponding author

49. Huot B, Castroverde CDM, Velásquez AC, Hubbard E, Pulman JA, Yao J, Childs KL, **Tsuda K**, Montgomery BL*, He SY*: Dual impact of elevated temperature on plant defence and bacterial virulence in Arabidopsis. **Nature Communications**, 8: 1808 (2017)

48. Berens ML, Berry HM, Mine A, Argueso CT, **Tsuda K***: Evolution of Hormone Signaling Networks in Plant Defense. **Annual Review of Phytopathology**, 55: 401-425 (2017)
*corresponding author

47. Mine A, Berens ML, Nobori T, Anver S, Fukumoto K, Winkelmüller TM, Takeda A, Becker D, **Tsuda K***: Pathogen exploitation of an abscisic acid- and jasmonate-inducible MAPK phosphatase and its interception by *Arabidopsis* immunity. **Proceedings of the National Academy of Sciences USA**, 114: 7456-7461 (2017)
*corresponding author

46. Shigenaga AM, Berens ML, **Tsuda K***, Argueso CT*: Towards Engineering of Hormonal Crosstalk in Plant Immunity. **Current Opinion in Plant Biology**, 38: 164-172 (2017)
*corresponding author

45. Hillmer R, **Tsuda K**, Rallapalli G, Asai S, Truman W, Papke MD, Sakakibara H, Jone JDG, Myers CL, Katagiri F: The Highly Buffered Arabidopsis Immune Signaling Network Conceals the Functions of its Components. **PLoS Genetics**, 13: e1006639 (2017)
Featured in Brett M Tyler **PLoS Genetics** 13: e1006713 (2017)

44. Mine A, Nobori T#, Salazar-Rondon MC#, Winkelmüller TM, Anver S, Becker D, **Tsuda K***: An incoherent feed-forward loop mediates robustness and tunability in a plant immune network. **EMBO Reports**, 18: 464-476 (2017)
*corresponding author

43. Yamada K#, Yamaguchi K#, Shirakawa T, Nakagami H, Mine A, Ishikawa K, Fujiwara M, Narusaka M, Narusaka Y, Ichimura K, Kobayashi Y, Matsui H, Nomura Y, Nomoto M, Tada Y, Fukao Y, Fukamizo T, **Tsuda K**, Shirasu K, Shibuya N, Kawasaki T*: The CERK1-associated kinase PBL27 mediates chitin-triggered MAPK activation in *Arabidopsis*. **The EMBO Journal**, 35: 2468-2483 (2016)

42. Stuttmann J#*, Peine N#, Garcia AV, Wagner C, Choudhury SR, Wang Y, James GV, Griebel T, Alcazar R, **Tsuda K**, Schneeberger K, Parker JE*: *Arabidopsis thaliana DM2h (R8)* within the *Landsberg RPP1-like Resistance* Locus Underlies Three Different Cases of EDS1-Conditioned Autoimmunity. **PLoS Genetics**, 12: e1005990 (2016)

41. Wang Y, Wu J, Kim SG, **Tsuda K**, Gupta R, Park SY, Kim ST*, Kang KY*: *Magnaporthe oryzae*-Secreted Protein MSP1 Induces Cell Death and Elicits Defense Responses in Rice. **Molecular Plant-Microbe Interactions**, 29: 299-312 (2016)

40. Yamada K, Yamashita-Yamada M#, Hirase T#, Fujiwara T, **Tsuda K**, Hiruma K, Saijo Y*: Danger peptide receptor signaling in plants ensures basal immunity upon pathogen-induced depletion of BAK1. **The EMBO Journal**, 35: 46-61 (2016)

39. Sreekanta S, Bethke G, Hatsugai N, **Tsuda K**, Thao A, Wang L, Katagiri F, Glazebrook J*: The Receptor-Like Cytoplasmic Kinase PCRK1 Contributes to Pattern-Triggered Immunity against Pseudomonas syringae in Arabidopsis thaliana. **New Phytologist**, 207: 78-90 (2015)

38. Cui H, **Tsuda K**, Parker JE*: Effector-Triggered Immunity: From Pathogen Perception to Robust Defense. **Annual Review of Plant Biology**, 66: 487-511 (2015)

37. Mateos JL#, Madrigal P#, **Tsuda K**, Richter R, Rawat V, Romera-Branchat M, Fornara F, Schneeberger K, Krajewski P, Coupland G*: Decoded combinatorial activities of SHORT VEGETATIVE PHASE and FLOWERING LOCUS C define distinct modes of flowering regulation in Arabidopsis. **Genome Biology**, 16: 31 (2015)

36. **Tsuda K***, Somssich IE*: Transcriptional networks in plant immunity. **New Phytologist**, 206: 932-947 (2015)
*corresponding author

35. Anver S, **Tsuda K***: Ethylene and Plant Immunity. In Ethylene in Plants. Ed.: Chi-Kuang Wen. **Springer Science+Business Media,** Dordrecht Heidelberg New York London, 205-221 (2015)
*corresponding author

34. Seyfferth C, **Tsuda K***: Salicylic acid signal transduction: the initiation of biosynthesis, perception and transcriptional reprogramming. **Frontiers in Plant Science**, 5: 697 (2014)
*corresponding author

33. Mine A, Sato M, **Tsuda K***: Toward a systems understanding of plant--microbe interactions. **Frontiers in Plant Science**, 5: 423 (2014)
*corresponding author

32. Kim Y, **Tsuda K**, Igarashi D, Hillmer RA, Sakakibara H, Myers CL, Katagiri F*: Mechanisms underlying robustness and tunability in a plant immune signaling network. **Cell Host & Microbe**, 15: 84-94 (2014)

31. Ross A, Yamada K, Hiruma K, Yamashita-Yamada M, Lu Xunli, Takano Y, **Tsuda K**, Saijo Y*: The Arabidopsis PEPR pathway couples local and systemic plant immunity. **The EMBO Journal**, 33: 62-75 (2014)

30. **Tsuda K***, Mine A, Bethke G, Igarashi D, Botanga CJ, Tsuda Y, Glazebrook J, Sato M, Katagiri F: Dual regulation of gene expression mediated by extended MAPK activation and salicylic acid contributes to robust innate immunity in *Arabidopsis thaliana*. **PLoS Genetics**, 9: e1004015 (2013)
*the sole corresponding author

29. Truman W#, Sreekanta S#, Lu Y, Bethke G, **Tsuda K**, Katagiri F, Glazebrook J*: The Calmodulin Binding Protein 60 Family Includes Both Negative and Positive Regulators of Plant Immunity. **Plant Physiology**, 163: 1741-1751 (2013)

28. Heidrich K, **Tsuda K**, Blanvillain-Baufumé S, Wirthmueller L, Bautor J, Parker JE*: *Arabidopsis* TNL-WRKY domain receptor RRS1 contributes to temperature-conditioned

RPS4 auto-immunity. **Frontiers in Plant Science**, 4: 403 (2013)

27. Tintor N, Ross A, Kanehara K, Yamada K, Fan L, Kemmerling B, Nurnberger T, **Tsuda K**, Saijo Y*: Layered pattern receptor signaling via ethylene and endogenous elicitor peptides during *Arabidopsis* immunity to bacterial infection. **Proceedings of the National Academy of Sciences USA**, 110: 6211-6216 (2013)

26. Igarashi D, Bethke G, Xu Y, **Tsuda K**, Glazebrook J, Katagiri F*: Pattern-Triggered Immunity Suppresses Programmed Cell Death Triggered by Fumonisin B1. **PLoS One**, 8: e60769 (2013)

25. Igarashi D, **Tsuda K**, Katagiri F*: The Peptide Growth Factor, Phytosulfokine, Attenuates Pattern-Triggered Immunity. **The Plant Journal**, 71: 194-204 (2012)

24. Di Mauro MF, Iglesias MJ, Arce DP, Valle EM, Arnold RB, **Tsuda K**, Yamazaki K, Casalongue CA* and Godoy AV: MBF1s regulate ABA-dependent germination of Arabidopsis seeds. **Plant Signaling & Behavior**, 7: 188-192 (2012)

23. Bethke G, Pecher P, Eschen-Lippold L, **Tsuda K**, Katagiri F, Glazebrook J, Scheel D, Lee J*: Activation of the *Arabidopsis thaliana* mitogen-activated protein kinase MPK11 by the flagellin-derived elicitor peptide, flg22. **Molecular Plant-Microbe Interactions**, 25: 471-480 (2012)

22. **Tsuda K**, Qi Y, Nguyen LV, Bethke G, Tsuda Y, Glazebrook J, Katagiri F*: An efficient Agrobacterium-mediated transient transformation of Arabidopsis. **The Plant Journal**, 69: 713-719 (2012)
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21. Willmann R, Lajunena HM, Erbsb G, Newman M, Kolb D, **Tsuda K**, Katagiri F, Fliegmann J, Bono J, Cullimore JV, Jehle AK, Gotz F, Kulikh A, Molinaroi A, Lipka V, Gust AA*, Nurnberger T*: The Arabidopsis LYM1 LYM3 CERK1 pattern recognition system mediates bacterial peptidoglycan sensing and immunity to bacterial infection. **Proceedings of the National Academy of Sciences USA**, 108: 19824-19829 (2011)

20. Qi Y, **Tsuda K**, Nguyen LV, Wang X, Lin J, Murphy AS, Glazebrook J, Thordal-Christensen H, Katagiri F*: Physical association of Arabidopsis hypersensitive induced reaction proteins (HIRs) with the immune receptor RPS2. **Journal of Biological Chemistry**, 286: 31297-31307 (2011)

19. Wang L, **Tsuda K**, Truman W, Sato M, Nguyen LV, Katagiri F, Glazebrook J*: CBP60g and SARD1 play partially redundant, critical roles in salicylic acid signaling. **The Plant Journal**, 67: 1029-1041 (2011)

18. Qi Y, **Tsuda K**, Glazebrook J, Katagiri F*: Physical association of PTI and ETI immune receptors in Arabidopsis. **Molecular Plant Pathology,** 12: 702-708 (2011)

17. Wen Y, Wang W, Feng J, Luo MC, **Tsuda K**, Katagiri F, Bauchan G, Xiao S*: Identification and utilization of a sow thistle powdery mildew as a nonhost pathogen to dissect post-invasion resistance mechanisms in Arabidopsis. **Journal of Experimental Botany**, 62: 2117-2129 (2011)

16. Katagiri F*, **Tsuda K**: Understanding the plant immune system. **Molecular Plant-Microbe Interactions**, 23: 1531-1536 (2010)

15. Qi Y, **Tsuda K**, Joe A, Sato M, Nguyen LV, Glazebrook J, Alfano JR, Cohen JD, Katagiri F*: A putative RNA-binding protein positively regulates salicylic acid-mediated immunity in Arabidopsis. **Molecular Plant-Microbe Interactions**, 23: 1573-1583 (2010)

14. **Tsuda K**, Katagiri F*: Comparing signaling mechanisms engaged in pattern-triggered and effector-triggered immunity. **Current Opinion in Plant Biology**, 13: 459-465 (2010)

13. Sato M, **Tsuda K**, Wang L, Coller J, Watanabe Y, Glazebrook J, Katagiri F*: Network modeling reveals prevalent negative regulatory relationships between signaling sectors in Arabidopsis immune signaling. **PLoS Pathogens**, 6: e1001011 (2010)

12. Ace DP, Godoy AV, **Tsuda K**, Yamazaki K, Valle EM, Mauro MFD, Iglesias MJ, Casalongue CN*: The analysis of an *Arabidopsis* triple knock-down mutant reveals functions for MBF1 genes under oxidative stress conditions. **Journal of Plant Physiology**, 167: 194-200 (2010)

11. **Tsuda K**, Sato M, Stoddard T, Glazebrook J, Katagiri F*: Network properties of robust immunity in plants. **PLoS Genetics**, 5: e1000772 (2009)

10. Wang L, **Tsuda K**, Sato M, Cohen JD, Katagiri F, Glazebrook J*: Arabidopsis CaM binding protein CBP60g contributes to MAMP-induced SA accumulation and is involved in disease resistance against *Pseudomonas syringae*. **PLoS Pathogens**, 5: e1000301 (2009)

9. Tojo T, **Tsuda K**, Yoshizumi T, Ikeda A, Yamaguchi J, Matsui M, Yamazaki K*: Arabidopsis MBF1s control leaf cell cycle and its expansion. **Plant and Cell Physiology**, 50: 254-264 (2009)

8. **Tsuda K**, Glazebrook J, Katagiri F*: The interplay between MAMP and SA signaling. **Plant Signaling & Behavior**, 3: 359-361 (2008)

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6. Tojo T, **Tsuda K**, Wada T, Yamazaki K*: A simple and extremely sensitive system for detecting estrogenic activity using transgenic *Arabidopsis thaliana*. **Ecotoxicology and Environmental Safety**, 64: 106-114 (2006)

5. Sugikawa Y, Ebihara S, **Tsuda K**, Niwa Y, Yamazaki K*: Transcriptional coactivator MBF1s from *Arabidopsis* predominantly localize in nucleolus. **Journal of Plant Research**, 118: 431-437 (2005)

4. Tojo T, **Tsuda K**, Wada T, Yamazaki K*: Development of a system for monitoring estrogenic activity using transgenic *Arabidopsis thaliana*. **Journal of Environmental Biotechnology**, 5: 31-36 (2005)

3. Tojo T, **Tsuda K**, Wada T, Yamazaki K*: A transgenic plant that detects estrogenic activity. **Waste Management Research**, 15: 247-253 (2004)

2. **Tsuda K***, Yamazaki K: Structure and expression analysis of three subtypes of *Arabidopsis* MBF1 genes. **Biochimica et Biophysica Acta-Gene Regulatory Mechanisms**, 1680: 1-10 (2004)
*corresponding author

1. **Tsuda K***, Tsuji T, Hirose S, Yamazaki K: Three *Arabidopsis* MBF1 homologs with distinct expression profiles play roles as transcriptional co-activators. **Plant and Cell Physiology**, 45: 225-231 (2004)
*corresponding author

MEETINGS (#presenter)

129. #**Tsuda K**: Rewriting Microbial Roles through Plant Immunity and Microbial Communities, **Integrative Understanding of Phytobiomes for Sustainable Forest Management**, Bonghwa, Korea (July 2025)

128. #**Tsuda K**: Plant-microbiota interactions under abiotic stress, **2025 IS-MPMI Congress**, Cologne, Germany (July 2025)
Invited speaker and chair

127. #**Tsuda K**: Tailoring Mentorship: Communication, Compatibility, and the Individual, **2025 IS-MPMI Satellite Meeting: Building careers in MPMI through effective mentoring**, Cologne, Germany (July 2025)
Invited speaker

126. #**Tsuda K**: Dissecting bacterial genetic determinants for tissue-specific colonization in maize, **Phyllosphere 12**, Onna, Japan (June 2025)
Invited speaker and organizing committee

125. Huang R, Ren Y, #**Tsuda K**: Pipecolic Acid at the Crossroads: Orchestrating Microbiota Dynamics and Immunity Along the Root-Shoot Axis, **The 66th Annual Meeting of The Japanese Society of Plant Physiologists** (S04-1), Kanazawa, Japan (March 2025)
Invited speaker

124. #**Tsuda K**: Microbiome-mediated plant disease resistance, **Phytopathology Research 2024 Fall Symposium**, Sanya, China (Nov 2024)
Invited speaker

123. #**Tsuda K**: Virulence suppression by plant immunity and microbiota, **The 7th International Conference on Biotic Plant Interactions**, Hangzhou, China (Oct 2024)
Invited speaker

122. #**Tsuda K**: Pathogen Suppression by Plant Immunity and Microbiota, **The 4th Forum on Scientific and Technological Innovation Underpinning Rural Revitalization**, Nanjing, China (Sep 2024)
Keynote speaker

121. #**Tsuda K**: Maintenance of plant and microbiota health by plant immunity, **BSPP 2024**, Oxford, UK (Sep 2024)
Plenary speaker

120. #**Tsuda K**: Plant immunity turns harmful bacteria into beneficial by suppressing virulence, **Asian Conference on Plant Pathology**, Changchun, China (Aug 2024)
Invited speaker and chair

119. #**Tsuda K**: Maintenance of plant and microbiota health by plant immunity. **miCROPe 2024**, Vienna, Austria (July 2024)
Plenary speaker

118. #**Tsuda K**: Regulation of plant microbiota by plant immunity. **Plant Microbiota Workshop**, Berlin, Germany (Apr 2024)
Invited speaker

117. #**Tsuda K**: Regulation of bacterial growth and behavior by plant immunity. **2024 Plant-Soil Microbiome Workshop**, Xinglong, China (Jan 2024)
Invited speaker

116. #**Tsuda K**: Regulation of Bacterial Growth and Behavior by Plant Immunity. **The 5th Symposium on Plant Verticillium Interaction**, Wuhan, China (Oct 2023)
Plenary speaker

115. #**Tsuda K**: Regulation of Bacterial Growth and Behavior by Plant Immunity. **ICPP2023**, Lyon, France (Aug 2023)
Keynote speaker

114. #**Tsuda K**: The role of defense phytohormones in interactions with environments. **ICPP2023 Satellite Symposium – PlantBioRes2023**, Lyon, France (Aug 2023)
Keynote speaker

113. Entila F, Han H, #**Tsuda K**: Regulation of Bacterial Growth and Behavior by Plant Immunity. **2023 China Plant Pathology Meeting**, Taian, China (Aug 2023)
Plenary speaker

112. #**Tsuda K**: Plant Interactions with Pathogens and Microbiota. **Gordon Research Conference (Plant Metabolic Engineering Metabolic) Engineering in Plants: Sustainability Through Innovation**, Barcelona, Spain (June 2023)
Invited speaker

111. Ding M, Entila F, Zhang Q, #**Tsuda K**: Plant immunity and microbiota tame potentially harmful commensal bacteria. **33rd International Conference on Arabidopsis Research**, Chiba, Japan (June 2023)
Invited chair and speaker

110. #**Tsuda K**: Co-transcriptome landscapes of plants and bacteria. **32nd International Conference on Arabidopsis Research**, Belfast, UK (June 2022)
Invited speaker

109. #**Tsuda K**: Plant interactions with pathogenic and beneficial microbes. **Visionary NOUGEIKAGAKU 100: Visions for the 100th Anniversary and Future - Symbiosis and ecology of microbes: We are living in a microbial world**, online, Japan (May 2022)

108. Du Y, Hong K, Han X, #**Tsuda K**: Plant interactions with pathogenic and commensal bacteria. **2021 National Congress of Plant Biology**, Chengdu, China (December 2021)
Invited speaker

107. Hong K, Du Y, Han X, #**Tsuda K**: Plant interactions with pathogenic and commensal bacteria. **The 6th International Conference on Biotic Plant Interactions**, Online, Xian, China (October 2021)
Keynote speaker

106. #**Tsuda K**: Plant interactions with pathogenic and commensal bacteria. **IPSR International Plant Web Forum 2021**, Online, Okayama, Japan (September 2021)
Invited speaker

105. #**Tsuda K**: Plant interactions with pathogenic and commensal bacteria. **The 55th PSJ Plant-Microbe Interactions Symposium**, Online, Miyazaki, Japan (September 2021)
Plenary speaker

104. #Mine A, Fukumoto K, Nakano R, Kanaoka R, Takeda A, **Tsuda K**: Stomatal movements in the assembly of plant-bacteria holobiont. **The 62nd Annual Meeting of The Japanese Society of Plant Physiologists** (S01-1), Online, Japan (March 2021)

103. #Nobori T, **Tsuda K**: Dissecting the co-transcriptome landscape of plants and microbiota. **The 62nd Annual Meeting of The Japanese Society of Plant Physiologists** (1aH07), Online, Japan (March 2021)

102. #**Tsuda K**. **2020 The Botanical Society of Japan**, online (December 2020)
Invited speaker

101. #**Tsuda K**. **The 5th Forum of Young Plant Scientists**, Changzhou, China (November 2020)
Invited speaker

100. #**Tsuda K**. **2020 Japanese Society of Plant Microbe Interactions**, online (September 2020)
Invited speaker

99. #Iwamoto M, Masuo S, Cao Y, Yamamoto T, Nomura, H, Nakagami H, Tsuda K, Toyofuku M, Betsuyaku S: Analysis of the camalexin function in resistance of Arabidopsis against *Pseudomonas syringae* pv. *tomato* DC3000. **2020 Annual Meeting of the Phytopathological Society of Japan** (306), Kagoshima, Japan (March 2020)

98. #Nobori T, Cao Y, Dahms E, Garrido-Oter R, Kemen E, **Tsuda K**: Charting the co-transcriptomes of plants and the plant microbiota. **The 61st Annual Meeting of The Japanese Society of Plant Physiologists** (1pE08), Osaka, Japan (March 2020)

97. #**Tsuda K**: Spatial coordination of plant immunity at the organism level. **The 61st Annual Meeting of The Japanese Society of Plant Physiologists** (S02-02), Osaka, Japan (March 2020)
Invited speaker

96. #**Tsuda K**: Evolutionary conservation and diversification of hormone signaling networks in Brassicaceae immunity. **Plant Hormones & Other Growth Regulators**, Vienna, Austria (February 2020)
Invited speaker

95. #**Tsuda K**: Co-transcriptome analysis during plant interactions with Gram-positive and Gram-negative bacteria. **Gram-Positive Plant-Associated Bacteria**, Glasgow, UK (July 2019)
Invited speaker

94. Nobori T, Cao Y, Wang Y, Entila F, #**Tsuda K**: Plant Interactions with Pathogenic and Commensal Bacteria. **2019 International Congress on Molecular Plant-Microbe Interactions**, Glasgow, UK (July 2019)
Invited chair and speaker

93. #Wang Y, Garrido-Oter R, Wu J, Winkelmüller TM, Agler M, Colby T, Kemen E, **Tsuda K**: Cleavage of bacterial MucD by plant secreted proteases in *Arabidopsis* immunity. **2019 International Congress on Molecular Plant-Microbe Interactions**, Glasgow, UK (July 2019)

92. #**Tsuda K**: Balancing tradeoffs between biotic and abiotic stress responses through stress hormone crosstalk. **The 23rd International Conference on Plant Growth Substances**, Paris, France (June 2019)
Plenary speaker

91. #Senuma W, Hayashi K, Nobori T, Kiba T, Ohnishi K, Kai K, **Tsuda K**, Hikichi Y: The quorum sensing of *Ralstonia solanacearum* strain OE1-1 consists of multiple signaling pathways. **2019 Annual Meeting of the Phytopathological Society of Japan** (508), Tsukuba, Japan (March 2019)

90. #Nobori T, Wang Y, Wu J, Stolze S, Harzen A, Tsuda Y, Nakagami H, **Tsuda K**: *In planta* bacterial multi-omics illuminates regulatory logic underlying plant-pathogen interactions. **2019 Annual Meeting of the Phytopathological Society of Japan** (342), Tsukuba, Japan (March 2019)

89. Wang Y, #**Tsuda K**: MPK3/6-WRKY33-ALD1-Pipecolic acid Regulatory Loop Contributes to Systemic Acquired Resistance. **2019 Annual Meeting of the Phytopathological Society of Japan** (338), Tsukuba, Japan (March 2019)

88. #Nobori T, **Tsuda K**: *In planta* bacterial multi-omics illuminates regulatory logic underlying plant-pathogen interactions. **The 60th Annual Meeting of The Japanese Society of Plant Physiologists** (1aK07), Nagoya, Japan (March 2019)

87. #Nakagawa S, Yamaguchi K, Yamamoto G, Tanaka Y, Yamaguchi N, **Tsuda K**, Kawasaki T: MAPK-mediated epigenetic regulation of AGO4 in plant immunity. **The 60th Annual Meeting of The Japanese Society of Plant Physiologists** (PF-203), Nagoya, Japan (March 2019)

86. Wang Y, #**Tsuda K**: MPK3/6-WRKY33-ALD1-Pipecolic acid Regulatory Loop Contributes to Systemic Acquired Resistance. **The 60th Annual Meeting of The Japanese Society of Plant Physiologists** (1aK06), Nagoya, Japan (March 2019)

85. #**Tsuda K**: Molecular basis of plant microbiota function and its regulation by plant immunity. **SPP2125 DECRyPT meeting**, Cologne, Germany (February 2019)

84. #**Tsuda K**: Plant interactions with bacterial pathogens and beyond. **Linnean Centre Network Meeting**, Odalgården, Sweden (October 2018)
Invited plenary speaker

83. #**Tsuda K**: Impact of plant immunity on a bacterial pathogen and beyond. **Sino-German Symposium on Microbiomics and Plant Health**, Wuhan, China (September 2018)
Invited chair and speaker

82. #Salazar-Rondon MC, Seyfferth C, **Tsuda K**: Role of the evolutionarily conserved C-terminal regions of Arabidopsis MAPKs, MPK3 and MPK6, in transcriptional activation. **B-DEBATE: When development meets stress: Understanding developmental reprogramming upon pathogenesis in plants**, Barcelona, Spain (September 2018)

81. #Nobori T, **Tsuda K**: Transcriptome landscape of bacteria under plant immunity. **B-DEBATE: When development meets stress: Understanding developmental reprogramming upon pathogenesis in plants**, Barcelona, Spain (September 2018)

80. #**Tsuda K**: Impact of plant immunity on a bacterial pathogen. **B-DEBATE: When development meets stress: Understanding developmental reprogramming upon pathogenesis in plants**, Barcelona, Spain (September 2018)
Invited chair and speaker

79. #Nobori T, **Tsuda K**: In planta bacterial transcriptomics. **European Nitrogen Fixation Conference satellite meeting**, Stockholm, Sweden (August 2018)

78. #Salazar-Rondon MC, Seyfferth C, **Tsuda K**: Role of the evolutionarily conserved C-terminal regions of Arabidopsis MAPKs, MPK3 and MPK6, in transcriptional activation. **INTERNATIONAL PLANT MOLECULAR BIOLOGY 2018**, Montpellier, France (August 2018)

77. #Nobori T, **Tsuda K**: Transcriptome landscape of bacteria under plant immunity. **INTERNATIONAL PLANT MOLECULAR BIOLOGY 2018**, Montpellier, France (August 2018)
Abstract was selected for an oral presentation

76. #Fukumoto K, Mine A, **Tsuda K**: A bacterial pathogen exploits JA-mediated ABA degradation for stomatal invasion. **The 3rd International Conference "Plant Biotic**

Stresses & Resistance Mechanisms", Vienna, Austria (July 2018)
Abstract was selected for an oral presentation

75. #**Tsuda K**: Transcriptome landscape of a bacterial pathogen under plant immunity. **The 43rd FEBS Congress**, Prague, Czech Republic (July 2018)
Invited chair and speaker

74. #**Tsuda K**: Network Robustness in Plant Immunity. **Molecular mechanisms of biological robustness in plants**, Potsdam, Germany (June 2018)
Invited speaker

73. #Mine A, Fukumoto K, Nakano R, **Tsuda K**: Pathogen pressure and evolutionary trade-off in the regulation of plant stomatal aperture. **The 58th Annual Meeting of The Japanese Society of Plant Physiologists** (3aE01), Sapporo, Japan (March 2018)

72. #Nobori T, **Tsuda K**: In planta bacterial transcriptome unveils molecular basis of pathogen growth inhibition by plant innate immunity. **The 58th Annual Meeting of The Japanese Society of Plant Physiologists** (3aE02), Sapporo, Japan (March 2018)

71. Berens ML, Mine A, #**Tsuda K**: Balancing trade-offs between biotic and abiotic stresses through leaf age-dependent variation in stress hormone crosstalk. **The 58th Annual Meeting of The Japanese Society of Plant Physiologists** (3aE03), Sapporo, Japan (March 2018)

70. #Mine A, Fukumoto K, Nakano R, **Tsuda K**: Pathogen pressure and evolutionary trade-off in the regulation of plant stomatal aperture. **2018 Annual Meeting of the Phytopathological Society of Japan** (151), Kobe, Japan (March 2018)

69. #Nobori T, **Tsuda K**: *In planta* bacterial transcriptome unveils molecular basis of pathogen growth inhibition by plant innate immunity. **2018 Annual Meeting of the Phytopathological Society of Japan** (145), Kobe, Japan (March 2018)

68. Wang Y, #**Tsuda K**: Direct suppression of bacterial growth in immunity by a plant host-secreted protease. **2018 Annual Meeting of the Phytopathological Society of Japan** (144), Kobe, Japan (March 2018)

67. Nobori T and #**Tsuda K**: Molecular basis of plant microbiota function and its regulation by plant immunity. **SPP DECRyPT**, Bonn, Germany (February 2018)

66. #Nobori T and **Tsuda K**: *In planta* bacterial transcriptome unveils molecular basis of pathogen growth inhibition by plant innate immunity. **Symposium GDRI IPB**, Lyon, France (October 2017)

65. #Nobori T and **Tsuda K**: *In planta* bacterial transcriptome unveils molecular basis of pathogen growth inhibition by plant innate immunity. **WORKSHOPS CURRENT TRENDS IN BIOMEDICINE "Understanding the Beneficial Role of the Microbiota in Animals and Plants"**, Baeza, Spain (October 2017)

64. #Fukumoto K, Mine A, **Tsuda K**: The bacterial JA-mimic exploits JA-mediated ABA degradation for stomatal invasion. **The Botanikertagung 2017 (1.1.5)**, Kiel, Germany (September 2017)

Abstract was selected for an oral presentation

63. #Winkelmüller TM, Anver S, Garriodo-Oter R, **Tsuda K**: Inter- and intra-species variation of transcriptomic responses to a defined immune stimulus in Brassicaceae. **Plant Biology (1000-062)**, Honolulu, USA (June 2017)

62. #Huot B, Castroverde DCM., André VC, Hubbard E, Pulman JA, Yoshida Y, Yao J, Howe GA, Childs KL, **Tsuda K**, Montgomery BL, He SY: Dual impact of elevated temperature on plant defence and bacterial virulence in Arabidopsis. **28th International Conference on Arabidopsis Research (251)**, St. Louis, USA (June 2017)
Abstract was selected for an oral presentation

61. #Asai S, Wu J, **Tsuda K**, Shirasu K: A Subtilisin-like protease positively regulates resistance to *Pseudomonas* bacteria. **2017 Annual Meeting of the Phytopathological Society of Japan** (548), Morioka, Japan (April 2017)

60. #Nobori T, Khani S, **Tsuda K**: In planta bacterial transcriptome reveals bacterial genes under the control of plant immunity. **The 58th Annual Meeting of The Japanese Society of Plant Physiologists** (2pC03), Kagoshima, Japan (March 2017)

59. #Fukumoto K, Mine A, **Tsuda K**: The bacterial virulence factor, coronatine, exploits jasmonate-mediated abscisic acid degradation in the guard cells for stomatal invasion in *Arabidopsis thaliana*. **The 58th Annual Meeting of The Japanese Society of Plant Physiologists** (2pC02), Kagoshima, Japan (March 2017)

58. #Mine A, Berens M, Nobori T, Anver S, Fukumoto K, Becker D, **Tsuda K**: Abscisic acid and the jasmonate-mimicking bacterial phytotoxin coronatine inactivate MAP kinases through distinct and common members of the clade A protein phosphatases 2C. **The 58th Annual Meeting of The Japanese Society of Plant Physiologists** (2pC01), Kagoshima, Japan (March 2017)

57. Mine A, Nobori T, Seyfferth C, Khani S, #**Tsuda K**: Profiling Plant and Bacterial Transcriptome during Interaction. **The 58th Annual Meeting of The Japanese Society of Plant Physiologists** (S08-4), Kagoshima, Japan (March 2017)
Invited speaker

56. #Mine A, Seyfferth C, Barbara Kracher, Berens ML, Becker D, **Tsuda K**: Time-resolved transcriptome analysis with genetic perturbations links robust and early establishment of transcriptional reprogramming to pathogen resistance. **the Cold Spring Harbor Laboratory meeting: Latest Advances in plant development and environmental response**, Awaji, Japan (Nov 2016)

55. #Choudhury SR, Wang Y, Kramer K, Finkemeier I, Nakagami H, **Tsuda K**: Nuclear protein dynamics during pattern-triggered immunity in *Arabidopsis thaliana*. **EMBO proteomics workshop**, Varna, Italy (Aug 2016)

54. #Winkelmüller TM, Anver S, **Tsuda K**: Evolution of immune signalling networks in Brassicaceae. **SACLAY PLANT SCIENCE Summer School 2016 From gene expression to genomic network**, Saint-Lambert-des-Bois, France (July 2016)

53. #Berens M, **Tsuda K**: PBS3 coordinates the leaf specific outcome of abiotic and biotic

stress crosstalk through salicylic acid mediated immune signaling. **XVII International Congress on Molecular Plant-Microbe Interactions** (P16-441), Portland, USA (July 2016)

52. #Huot B, Velásquez A, Hubbard E, Pulman J, Yao J, Childs K, **Tsuda K**, Montgomery BL, He SY: Temperature regulation of salicylic acid-mediated defense in *Arabidopsis thaliana.* **XVII International Congress on Molecular Plant-Microbe Interactions** (P16-453), Portland, USA (July 2016)

51. #Yamaguchi K, Yamada K, Shirakawa T, Mine A, Narusaka M, Narusaka Y, Ichimura K, **Tsuda K**, Tamo F, Shibuya N, Kawasaki T: PBL27 directly connects between the chitin receptor, CERK1 and MAPK cascade in chitin-triggered immunity. **XVII International Congress on Molecular Plant-Microbe Interactions** (P17-642), Portland, USA (July 2016)

50. #Winkelmüller TM, Anver S, **Tsuda K**: Evolution of immune signalling networks in Brassicaceae. **The 8th European Plant Science Retreat**, Barcelona, Spain (June 2016)

49. #Mine A, Fukumoto K, Nakano RT, Tada Y, **Tsuda K**: Coronatine opens stomata by manipulating an evolutionarily conserved regulation of abscisic acid accumulation in guard cells. **2016 Annual Meeting of the Phytopathological Society of Japan** (539), Okayama, Japan (March 2016)

48. #Asai S, Wu J, **Tsuda K**, Shirasu K: Identification of a revertant of the *dde2/ein2/pad4/sid2*-quadruple mutant, which exhibits resistance to *Pto* DC3000 *avrRpt2*. **2016 Annual Meeting of the Phytopathological Society of Japan** (540), Okayama, Japan (March 2016)

47. Winkelmüller TM, Anver S, #**Tsuda K**: Evolutionary conservation and diversification of immune signaling networks in Brassicaceae. **2016 Annual Meeting of the Phytopathological Society of Japan** (175), Okayama, Japan (March 2016)

46. #Yamaguchi K, Yamada K, Shirakawa T, Mine A, Narusaka M, Narusaka Y, Ichimura K, **Tsuda K**, Tamo F, Shibuya N, Kawasaki T: MAPKKK5 regulates activation of MAP kinases after perception of fungal chitin in Arabidopsis. **The 57th Annual Meeting of The Japanese Society of Plant Physiologists** (2pH03), Morioka, Japan (March 2016)

45. #Asai S, Wu J, **Tsuda K**, Shirasu K: Identification and characterization of a revertant of the *dde2/ein2/pad4/sid2*-quadruple mutant, which exhibits resistance *to Pseudomonas syringae* pv. *tomato* DC3000 AvrRpt2. **The 57th Annual Meeting of The Japanese Society of Plant Physiologists** (1pH04), Morioka, Japan (March 2016)

44. Winkelmüller TM, Anver S, #**Tsuda K**: Evolutionary conservation and diversification of immune signaling networks in Brassicaceae. **The 57th Annual Meeting of The Japanese Society of Plant Physiologists** (1pH09), Morioka, Japan (March 2016)

43. #Berens M, Nair A, **Tsuda K**: *PBS3* regulates leaf dependent outcome of abiotic and biotic stress crosstalk. **the Cold Spring Harbor Laboratory meeting on Plant Genomes & Biotechnology: From Genes to Networks**, Cold Spring Harbor, USA (Dec 2015)
Abstract was selected for an oral presentation

42. #Wang Y, Wu J, Finkemeier I, **Tsuda K**: An apoplast protease targets a *Pesudomons syringae* protein to directly suppress growth in Arabidopsis. **the 4th International Conference on Biotic Plant Interactions**, Nanjing, China (Aug 2015)

41. #Hillmer R, Kim Y, **Tsuda K**, Igatashi D, Sakakibara H, Myers CL, Katagiri F: Strength Without Stiffness: How the Plant Immune Signaling Network Achieves Both Robustness and Tunability. **Annual Meeting of The American Society of Plant Biologists** (900-034-Z), Minneapolis, USA (July 2015)

40. #Berens M and **Tsuda K**: *PBS3* controls the leaf age-dependent crosstalk between ABA and SA in *Arabidopsis thaliana*. **the 7th European Plant Science Retreat**, Paris, France (July 2015)

39. #Winkelmüller T and **Tsuda K**: Evolution of immune signaling networks in *Brassicaceae*. **the 7th European Plant Science Retreat**, Paris, France (July 2015)

38. #**Tsuda K**: Toward a systems understanding of plant-bacterial interactions. **Phytobiomes 2015: Designing a New Paradigm for Crop Improvement**, Washington DC, USA (June 2015)
Invited speaker

37. #**Tsuda K**: Molecular Basis of Network Robustness during Effector-triggered Immunity. **SFB670 retreat**, Bonn, Germany (May 2015)

36. #Mine A and **Tsuda K**: The MAPK signaling network as the molecular battlefield between *Arabidopsis* and the bacterial pathogen *Pseudomonas syringae*. **The 100th Anniversary Meeting of the Phytopathological Society of Japan** (504), Tokyo, Japan (March 2015)

35. Mine A, Seyfferth C, #**Tsuda K**: Robustness and tunability: design principles of plant immune signaling networks. **The 56th Annual Meeting of The Japanese Society of Plant Physiologists** (S07-6), Tokyo, Japan (March 2015)
Invited speaker

34. #Katagiri F, Kim Y, **Tsuda K**, Hillmer RA, Igarashi D, Myers CL: Signaling mechanisms underlying the properties of the plant immune signaling network. **the Cold Spring Harbor Laboratory meeting on Systems Biology: Networks**, Cold Spring Harbor, USA (March 2015)

33. #**Tsuda K**: Robustness and tunability: Design principles of plant immune signaling networks. **The 5th NIBB-MPIPZ-TLL Symposium**, Cologne, Germany (Nov 2014)
Invited speaker

32. #Wang Y, Wu J, Finkemeier I, **Tsuda K**: Quantitaive apoplastic proteomics reveals Arabidopsis secreted proteases attacking the bacterial pathogen *Pseudomonas syringae*. Ist INPO Congress on Plant Proteomics (P56), Hamburg, Germany (Sep 2014)

31. Mine A, Seyfferth C and **#Tsuda K**: MECHANISMS UNDERLYING ROBUSTNESS IN THE SALICYLIC ACID SIGNALING NETWORK. **XVI International Congress on Molecular Plant-Microbe Interactions** (CS-10.5), Rhodes, Greece (July 2014)
Abstract was selected for an oral presentation

30. #Wang Y, Wu J and **Tsuda K**: A SECRETED PROTEASE FROM ARABIDOPSIS IS THE DIRECT WEAPON TO SUPPRESS INFECTION OF PSEUDOMONAS SYRINGAE. **XVI International Congress on Molecular Plant-Microbe Interactions** (CS-32.3), Rhodes, Greece (July 2014)
Abstract was selected for an oral presentation

29. #Seyfferth C and **Tsuda K**: THE ROLE OF MAP KINASE 3 AS A MASTER REGULATOR OF TRANSCRIPTIONAL REPROGRAMMING IN PLANT IMMUNITY. **XVI International Congress on Molecular Plant-Microbe Interactions** (P684), Rhodes, Greece (July 2014)

28. #Mine A and **Tsuda K**: EFFECTOR-TRIGGERED IMMUNITY COUNTERACTS PSEUDOMONAS SYRINGAE VIRULENCE BY RELEASING ABSCISIC ACID-MEDIATED NEGATIVE REGULATION OF MAP KINASE ACTIVATION IN ARABIDOPSIS THALIANA. **XVI International Congress on Molecular Plant-Microbe Interactions** (P403), Rhodes, Greece (July 2014)

27. #Berens M and **Tsuda K**: The crosstalk between ABA and SA in *Arabidopsis thaliana*. **6th European Plant Science Retreat**, Amsterdam, Netherlands (July 2014)

26. #Mine A and **Tsuda K**: The signaling network for salicylic acid accumulation in pattern-triggered immunity. **2014 Annual Meeting of the Phytopathological Society of Japan**, Sapporo, Japan (June 2014)

25. Wang Y and #**Tsuda K**: Apoplastic Immunity against Bacteria in Arabidopsis. **55th Annual the Japanese Society of Plant Physiologists Meeting (1aC04)**, Toyama, Japan (March 2014)

24. #Seyfferth C and **Tsuda K**: Subcellular localization of MPK3 differentiates transcriptional reprogramming in PTI and ETI. **Triangle meeting**, Cologne, Germany (Aug 2013)

23. #**Tsuda K**: Robustness and tunability in the plant immune network. **SFB 670 retreat**, Cologne, Germany (July 2013)

22. Mine A, Seyfferth C, Katagiri F, #**Tsuda K**: Robust plant immunity by network compensation. **21st International Conference on Plant Growth Substances**, Shanghai, China (June 2013)
Invited chair and speaker

21. Mine A, Seyfferth C, Katagiri F and #**Tsuda K**: The duration of MAPK activation modulates the network robustness in plant immunity. **54th Annual the Japanese Society of Plant Physiologists Meeting (1pF03)**, Okayama, Japan (March 2013)

20. #**Tsuda K**: Network properties and structures of plant immunity. **2013 International Conference at POSTECH on Plant Science**, Pohang, Korea (Jan 2013)
Invited speaker

19. #**Tsuda K**: Network properties and structures of plant immunity. **The 4th NIBB-MPIPZ-TLL Symposium**, Okazaki, Japan (Nov 2012)
Invited speaker

18. #**Tsuda K**: Network properties and structures of plant immunity. **Next generation Plant Science Symposium 2012**, Cologne, Germany (Sep 2012)
Invited speaker

18 #**Tsuda K**, Mine A, Glazebrook J and Katagiri F: Compensatory Functions of Salicylic Acid and MAPK Signaling in Effector-Triggered Immunity. **XV International Congress on Molecular Plant-Microbe Interactions** (PS10-384), Kyoto, Japan (Aug 2012)

17. #**Tsuda K**, Kim Y, Sato M, Myers CL, Glazebrook J and Katagiri F: Modeling of the plant hormone signaling network in MAMP-induced resistance. **Annual Meeting of The American Society of Plant Biologists** (P19042), Minneapolis, USA (Aug 2011)

16. #**Tsuda K**, Kim Y, Sato M, Myers CL, Glazebrook J and Katagiri F: Modeling of the plant hormone signaling network in MAMP-induced resistance. **22nd International Conference on Arabidopsis Research (61)**, Madison, USA (June 2011)
Abstract was selected for an oral presentation

15. #**Tsuda K**, Kim Y, Sato M, Myers CL, Glazebrook J and Katagiri F: Properties and structure of the plant immune signaling network. **22nd International Conference on Arabidopsis Research (76)**, Madison, USA (June 2011).

14. #**Tsuda K**, Sato M, Stoddard T, Glazebrook J and Katagiri F: Different network properties define the difference between Pattern- and Effector-Triggered Immunity. **21st International Conference on Arabidopsis Research**, Yokohama, Japan (June 2010)

13. #**Tsuda K**, Sato M, Stoddard T, Glazebrook J and Katagiri F: Complex interactions among multiple hormone signaling sectors in plant inducible defense. **14th International Congress on Molecular Plant-Microbe Interactions (PS 5-248)**, Quebec City, Canada (July 2009)

12. #**Tsuda K**, Sato M, Glazebrook J and Katagiri F: The design principle of robust disease resistance. **20th International Conference on Arabidopsis Research (P429)**, Edinburgh, UK (July 2009)

11. #**Tsuda K**, Sato M, Stoddard T, Glazebrook J and Katagiri F: Multiple hormone signaling sectors are shared among various types of inducible defense. **20th International Conference on Arabidopsis Research (P316)**, Edinburgh, UK (July 2009)

10. #**Tsuda K**, Sato M, Stoddard T, Glazebrook J and Katagiri F: Cooperative effects among multiple hormone signaling sectors in plant inducible defense. **H21 The Phytopathological Society of Japan (232)**, Yamagata, Japan (March 2009)

9. #**Tsuda K**, Sato M, Stoddard T, Glazebrook J and Katagiri F: The effects of defects in multiple hormone signaling pathways on plant disease resistance. **50th Annual the Japanese Society of Plant Physiologists Meeting (1aJ07)**, Nagoya, Japan (March 2009)

8. #**Tsuda K**, Sato M, Glazebrook J, Cohen JD and Katagiri F: Interplay between MAMP-triggered and SA-mediated defense responses. **19th International Conference on Arabidopsis Research (ICAR5035)**, Montreal, Canada (July 2008)

7. #**Tsuda K**, Sato M, Glazebrook J, Cohen JD and Katagiri F: Interplay between MAMP-

triggered and SA-mediated defense responses. **49th Annual the Japanese Society of Plant Physiologists Meeting (1pI07)**, Sapporo, Japan (March 2008)

6. #**Tsuda K**, Sato M, Glazebrook J and Katagiri F: Expression profile analysis of Arabidopsis defense responses elicited by the *Pseudomonas syringae hrcC* mutant. **The Microbial and Plant Genomics Institute Annual Retreat**, Minneapolis, USA (April 2007)

5. #**Tsuda K**, Sato M and Katagiri F: Expression profile analysis of Arabidopsis defense responses elicited by the *Pseudomonas syringae hrcC* mutant. **48th Annual the Japanese Society of Plant Physiologists Meeting (3aJ12)**, Matsuyama, Japan (March 2007)

4. #**Tsuda K**, Hirose S and Yamazaki K: Three *Arabidopsis* MBF1 homologues with distinct expression profiles play roles as transcriptional co-activators. **45th Annual the Japanese Society of Plant Physiologists Meeting (1pF02)**, Tokyo, Japan (March 2004)

3. #**Tsuda K**, Tsuji T, Hirose S and Yamazaki K: Tissue-specific expression of three genes of co-activator, MBF1, in *Arabidopsis thaliana.* **the 7th International Congress of Plant Molecular Biology (S05-28)**, Barcelona, Spain (June 2003)

2. #**Tsuda K**, Tanaka Y and Yamazaki K: Gene expression of chimeric polypeptide containing human dioxin receptor in plant, and response to the addition of aromatic hydrocarbon in plant. **42th Annual the Japanese Society of Plant Physiologists Meeting (S481)**, Fukuoka, Japan (March 2001)

1. #**Tsuda K**, Kuromori T, Yamamoto M and Yamazaki K: Characterization of A histone fold motif protein, aHFM1, from *Arabidopsis thaliana*. **22th Annual the Molecular Biology Society of Japan Meeting (2P-0363)**, Fukuoka, Japan (Dec 1999)

INVITED SEMINARS

2025 July	**Seoul National University** (Dr. Kee Hoon Sohn), Seoul, Korea
2024 Sep	**The Sainsbury Laboratory** (Dr. Tatsuya Nobori), Norwich, UK
2024 May	**Weizmann Institute of Science** (Dr. Asaf Levy), online
2024 Mar	**Kyoto University** (Dr. Mine Akira), Kyoto, Japan
2023 Oct	**CAS Center for Excellence in Molecular Plant Sciences** (Dr. Xiufang Xin), Shanghai, China
2023 June	**Biology Centre CAS** (Dr. Matin Janda), České Budějovice, Czech Republic
2023 June	**MPI for Plant Breeding Research** (Dr. Paul Schulze-Lefert), Cologne, Germany
2022 Dec	**Southern University of Science and Technology** (Dr. Ying He), online
2022 Oct	**China Agricultural University** (Dr. Bin Ni), online
2022 Sep	**Guangzhou University** (Dr. Fanjiang Kong), online
2022 Sep	**National Institute of Advanced Industrial Science and Technology** (Dr. Takema Fukatsu), online
2022 Apr	**MPlant Virtual Seminar** (Dr. Xiaofeng Cui), online
2022 Apr	**Michigan State University** (Dr. Deepak Bhandari), online
2021 Oct	**Huazhong Agricultural University** (Dr. Chaoshi Luo), Wuhan, China
2021 Sep	**Huazhong Agricultural University** (HZAU), online
2021 Jul	**Nanjing Agricultural University** (Dr. Yiming Wang), Nanjing, China

2021 June **Huazhong Agricultural University** (Northwest A&F University), online
2021 June **Huazhong Agricultural University** (College of Plant Science and Technology), Wuhan, China
2021 Mar **MPMI Virtual Seminar Series, Molecular Plant-Microbe Interactions** (Dr. Jeanne Harris), online
2020 Nov **Institute of Genetics and Developmental Biology, Chinese Academy of Sciences** (Dr. Jian-Min Zhou), Beijing, China
2020 Nov **Donald Danforth Plant Science Center** (Dr. Keith Slotkin), Saint Louis, USA (online)
2020 Sep **Huazhong Agricultural University** (Dr. Qiang Xu), Wuhan, China
2020 Aug **Huazhong University of Science and Technology** (Dr. Yonghui Zhang), Wuhan, China
2020 July **Huazhong Agricultural University** (Dr. Jiatao Xie), Wuhan, China
2020 June **Huazhong Agricultural University** (Dr. Lin Li), Wuhan, China
2019 Nov **Shanghai Center for Plant Stress Biology, CAS** (Dr. Yoji Kawano), Shanghai, China
2019 Oct **Huazhong Agricultural University** (Dr. Kabin Xie), Wuhan, China
2019 Jun **University of Münster** (Dr. Iris Finkemeier), Münster, Germany
2018 Dec **Huazhong Agricultural University** (Dr. Jianbing Yan), Wuhan, China
2018 Nov **University of Bonn** (Dr. Frank Hochholdinger), Bonn, Germany
2018 Oct **Linnaean Centre for Plant Science research** (Dr. Malin Elfstrand), Uppsala, Sweden
2018 Jan **Helmholtz Zentrum München** (Dr. Corina Vlot), Munich, Germany
2018 Jan **Technical University of Munich** (Dr. Corina Vlot), Munich, Germany
2017 Apr **University of Göttingen** (Dr. Ivo Feussner), Göttingen, Germany
2017 Feb **University of Bonn** (Dr. František Baluška), Bonn, Germany
2017 Jan **Leibniz University of Hannover** (Dr. Thomas Debener), Hannover, Germany
2016 Mar **Nara Institute of Science and Technology** (Dr. Yusuke Saijo), Nara, Japan
2015 Oct **CNRS/University of Paris** (Dr. Benoit Alunni), Paris, France
2015 June **University of Minnesota** (Dr. Fumiaki Katagiri), St.Paul, MN, USA
2014 July **University of Göttingen** (Dr. Christiane Gatz), Göttingen, Germany
2014 June **University of Heidelberg** (Dr. Thomas Rausch), Heidelberg, Germany
2014 Mar **University of Tübingen** (Dr. Thorsten Nürnberger), Tübingen, Germany
2013 Mar **RIKEN Institute** (Dr. Ken Shirasu), Yokohama, Japan
2013 Mar **Ajinomoto Co. Inc.** (Dr. Daisuke Igarashi), Kawasaki, Japan
2012 Aug **National Institute for Basic Biology** (Dr. Kiyotaka Okada), Okazaki, Japan
2012 Aug **Tokyo University of Science** (Dr. Kazuyuki Kuchitsu), Noda, Japan
2012 Aug **Hokkaido University** (Dr. Kotaro Yamamoto), Sapporo, Japan
2012 Mar **University of Edinburgh** (Dr. Steven H Spoel), Edinburgh, UK
2011 July **MPI for Plant Breeding Research** (Dr. Paul Schulze-Lefert), Cologne, Germany
2011 Mar **The Sainsbury Laboratory** (Dr. Jonathan D.G. Jones), Norwich, UK
2011 Feb **University of Minnesota** (Dr. John Ward), St. Paul, MN, USA
2010 June **Hokkaido University** (Dr. Kenichi Yamazaki), Sapporo Japan
2009 April **Hokkaido University** (Dr. Kotaro Yamamoto), Sapporo Japan
2009 Feb **University of Minnesota** (MPGI committee), St. Paul, MN, USA

PATENTS

Yamazaki K, **Tsuda K**, Tojo T, Wada T, Yamashita K: Method of Detecting Estrogen-Like Substance by Using Plant. Pub. No.: WO2006003854 A1 (Jan 12 2006); EP1790216 A1 (May 30 2007)

HONORS & AWARDS

2024	Chinese Government Friendship Award
2023	Hubei Chime Bell Prize
2021, 2022, 2024	Clarivate Highly Cited Researcher
2021 – 2024	Most Cited Chinese Researchers
2020	National High talent program
2020	Hubei province High Talent Program
2007, 2010	The Microbial and Plant Genomics Institute awards, University of Minnesota
2003 – 2004	Japanese Global 21th century Center Of Excellence program Research Associate, Hokkaido University
2001 – 2004	Japan Student Services Organization Fellowship

RESEARCH GRANTS

2022-2027 National key R&D plan, Project backbone, total 800,000 RMB

2023-2024 National Natural Science Foundation of China (NSFC), Research Fund for International Senior Scientists, total 1,600,000 RMB

2022-2025 National Natural Science Foundation of China (NSFC), general program, total 580,000 RMB

2021-2024 Joint Funding of Huazhong Agricultural University and Agricultural Genomics Institute at Shenzhen, Chinese Academy of Agricultural Sciences (SZYJY2021007), total 800,000 RMB

2021-2025 China high talent program, total 4,000,000 RMB

2020 The Fundamental Research Funds for the Central Universities (Program No. 2662020ZKPY009), total 200,000 RMB

2019 The Huazhong Agricultural University Scientific & Technological Self-innovation Foundation, total 8,000,000 RMB

2018-2021 Principal investigator, SPP2125 “DECRyPT” (401817050), total €218,700 for the direct cost

2014-2018 Principal investigator, SFB670 TP32 (3621643211), total €212,800 for the direct cost

HOST FOR FELLOWSHIPS

2023-2025 Host for the Postdoctoral fellowship of Japan Society for the Promotion of Science (JSPS) (Dr. Nanami Sakata)
2022-2026 Host for the CSC PhD fellowship (Natsuki Omae)
2019-2021 Host for the Postdoctoral fellowship of Japan Society for the Promotion of Science (JSPS) (Dr. Masahito Nakano)
2018-2021 Host for the CSC PhD fellowship (Yu Cao)
2015-2018 International Max Planck Research School in Cologne, PhD program (Maria Salazar)
2015-2017 Host for the Postdoctoral fellowship of Japan Society for the Promotion of Science (JSPS) (Dr. Akira Mine)
2015-2019 Host for the Nakajima PhD fellowship (Tatsuya Nobori)
2015 ERASMAS programme (Kinga Keska)
2015 ERASMAS programme (Magdalena Olszak)
2014-2018 Host for the Honjo PhD fellowship (Kaori Fukumoto)
2014-2017 Host for the DAAD PhD fellowship (Sayan Roy Choudhury)
2014-2018 International Max Planck Research School in Cologne, PhD program (Thomas Winkelmüller)
2014 ERASMAS Programme (Martin Janda)
2013-2016 International Max Planck Research School in Cologne, PhD program (Matthias Leonhard Berens)
2013-2015 Host for the DAAD PhD fellowship (Sajjad Khani)
2013-2015 Host for the Postdoctoral fellowship from Alexander von Humboldt (Dr. Yiming Wang)
2013-2015 Host for the Postdoctoral fellowship for Research Abroad of Japan Society for the Promotion of Science (JSPS) (Dr. Akira Mine)
2012-2015 International Max Planck Research School in Cologne, PhD program (Carolin Seyfferth)

SERVICE/OUTREACH

Affiliates of **bioRxiv** [since May 2023]

The Advisory Board of **Review Commons** (http://reviewcommons.org) [since December 2019]

Editorial board member (Editor) of **Plant and Cell Physiology** [January 2021-December 2024]

Advisory Editorial Board member of **EMBO Reports** [since January 2022]

Reviewing Editor of **eLife** [since November 2023]

Editorial board member of **Journal of Plant Research** [since January 2018]

Senior Editor of **Molecular Plant Microbe Interactions** [January 2023 – December 2025]

Editorial board member of **iMeta** [since October 2022]

Editorial board member of **Journal of Genetics and Genomics** [since January 2023]

Editorial board member of **Stress Biology** [since January 2023]

Editorial board member of **Crop Health** [since May 2023]

Editorial board member of **Journal of General Plant Pathology** [since January 2024]

Associate Editor of **Phytopathology Research** [November 2023 – October 2026]

Guest Senior editor (**eLife**) [2020]

Guest Senior editor (**Molecular Plant Microbe Interactions**) [May 2021 – July 2022]

Scientific advisory board member for **DynaMo Center of Excellence at University of Copenhagen** [2018 – 2020]

Manuscript reviews for Nature, Science, Cell, Science Advances, PNAS, Current Biology, EMBO J, Nature Microbiology, Nature Plants, PLoS Biology, Nature Communications, eLife, The Plant Cell, EMBO Reports, Nucleic Acids Research, Current Opinion in Plant Biology, Science Bulletin, Biotechnology Advances, The Plant Journal, Plant Physiology, New Phytologist, Molecular Plant, Molecular Plant-Microbe Interactions, Plant Molecular Biology, BMC Genomics, FEBS Letters, Plant and Cell Physiology, Journal of Experimental Botany, Seminars in Cell and Developmental Biology, Scientific Reports, Planta, Physiologia Plantarum, PLoS One, Frontier Plant Sci, Plant Science, The Journal of Plant Research

Grant reviews for European Research Council (ERC), National Science Foundation (NSF), Biotechnology and Biological Sciences Research Council (BBSRC), United States Department of Agriculture (USDA), Netherlands Organisation for Scientific Research (NWO), United States-Israel Binational Science Foundation (BSF), The French National Research Agency (ANR), Czech Science Foundation, Foundation for Polish Science, New Zealand Marsden Fund, The Irish Agriculture and Food Development Authority (Teagasc)

PhD committee member outside of my group

Committee member for four group leader positions at Max Planck Institute for Plant Breeding Research

The manager of over 30 plant growth chambers for the department

Greenhouse committee member at Max Planck Institute for Plant Breeding Research

An organizer of The 5th NIBB-MPIPZ-TLL Symposium (2014)

An organizer of Young Researchers Society for Biochemistry: Responsibilities include organizing programs and time tables and inviting speakers (2001-2002).

The host of a Japanese Global 21th century Center Of Excellence program “Escorting tour

to the International excellent laboratories": Responsibilities include organizing programs, time tables and inviting speakers (2009).

A co-chair of International Symposium on Plant Biotic Interactions and Plant Health (ISPBI) (2021, 2022)

MEMBERSHIPS

International Society for Molecular Plant-Microbe Interactions (ISMPMI)
International Plant Growth Substances Association (IPGSA)
The Japanese Society of Plant Physiologists (JSPP)
The Phytopathological Society of Japan (PSJ)