

Curriculum Vitae

Name: Hao YU

Present Appointment:

Provost's Chair Professor and Head
Department of Biological Sciences
Faculty of Science
National University of Singapore
Singapore 117543

Temasek Senior Investigator
& Board Director
Plant Functional Genomics Group
Temasek Life Sciences Laboratory
Singapore 117604

Academic/Professional Qualifications:

2013-present, Professor, Department of Biological Sciences, NUS
2008-2013, Associate Professor (tenured), Department of Biological Sciences, NUS
2004-2008, Assistant Professor, Department of Biological Sciences, NUS
2014-present, Temasek Senior Investigator, Temasek Life Sciences Laboratory, Singapore
2009-2014, Senior Principal Investigator, Temasek Life Sciences Laboratory, Singapore
2004-2009, Principal Investigator, Temasek Life Sciences Laboratory, Singapore
2002-2003, Post-Doctoral Fellow, California Institute of Technology, USA
2001-2002, Research Fellow, Department of Biological Sciences, NUS, Singapore
1997-2001, Ph.D., National University of Singapore (NUS), Singapore
1994-1997, M.Eng., Shanghai Jiaotong University, P.R.China
1990-1994, B.Eng., Shanghai Jiaotong University, P.R.China

Key Administrative Services:

2017-present, Head, Department of Biological Sciences (DBS), NUS
2017-present, Board Director, Temasek Life Sciences Laboratory, Singapore
2015-2017, Executive Director, Temasek Life Sciences Laboratory, Singapore
2014-2017, Vice Dean, Faculty of Science, NUS
2014-present, Faculty of Science Research Committee Member, NUS
2013-2014, University Promotion and Tenure Committee Member, NUS
2012-2013, Chairman of Faculty Promotion and Tenure Committee, Faculty of Science, NUS
2011-2012, Faculty Promotion and Tenure Committee Member, Faculty of Science, NUS
2009-2012, Faculty of Science Graduate Executive Committee Member, NUS
2009-2012, Deputy Head in the Department of Biological Sciences (DBS), NUS
2009-2012, Chairman of the Department Graduate Committee, DBS, NUS
2009-2012, Department Executive Committee Member, DBS, NUS
2010-present, Resident member of the University Research Committee Expert Panel, NUS

Awards:

2017: Provost's Chair, NUS
2016: Singapore National Research Foundation Investigatorship
2013: Singapore President Science Award
2011: Dean's Chair, Faculty of Science, NUS
2011: Outstanding Scientist Award, Faculty of Science, NUS
2009: Faculty Teaching Excellence Award, NUS
2007: Singapore Youth Award for Science and Technology
2007: NUS Young Research Award 2007
2006: National Young Scientist Award (Singapore National Academy of Science-A*STAR)
2003: National Institutes of Health Postdoctoral Fellowship, California Institute of Technology
2002-2003: National University of Singapore Overseas Fellowship
2001: Gold medal of International Society of Plant Molecular Biology for best PhD thesis in NUS

Research Interests:

Plant functional genomics; Flowering time control; Flower development; Phytohormone signaling;
Crop biotechnology; Urban farming

Publications:

International refereed journals

1. Liang Z, Geng Y, Ji C, Du H, Wong CE, Zhang Q, Zhang Y, Zhang P, Riaz A, Chachar S, Ding Y, Wen J, Wu Y, Wang M, Zheng , Wu Y, Demko V, Shen L, Han X*, Zhang P*, Gu X*, Yu H*

- (2019) *Mesostigma viride* genome and transcriptome provide insights into the origin and evolution of Streptophyta. *Advanced Science*, 1901850 (*Co-corresponding author).
2. Liu L, Li C, Teo ZWN, Zhang B, Yu H* (2019) The MCTP-SNARE complex regulates florigen transport in *Arabidopsis*. *Plant Cell* 31: 2475–2490 (*Corresponding author).
 3. Bao S, Hua C, Huang G, Cheng P, Gong X, Shen L, Yu H* (2019) Molecular basis of natural variation in photoperiodic flowering responses. *Developmental Cell* 50: 90-101 (*Corresponding author).
 4. Shao Y, Zhou H-Z, Wu Y, Zhang H, Lin J, Jiang X, He Q, Zhu J, Li Y, Yu H, Mao C (2019) OsSPL3, an SBP-domain protein, regulates crown root development in rice. *Plant Cell* 31: 1257-1275.
 5. Shen L*, Liang Z, Wong CE, Yu H* (2019) Messenger RNA modifications in plants. *Trends in Plant Science* 24: 328-341 (*Co-corresponding author).
 6. Zhang L, Jiang Y, Zhu Y, Su W, Long T, Huang T, Peng J, Yu H, Lin S, Gao Y (2019) Functional characterization of GI and CO homologs from *Eriobotrya deflexa* Nakai forma *koshunensis*. *Plant Cell Rep.* 38: 533-543.
 7. Wu D, Liang Z, Yan T, Xu Y, Xuan L, Tang J, Zhou G, Lohwasser U, Hua S, Wang H, Chen X, Wang Q, Zhu L, Maodzeka A, Hussain N, Li Z, Li X, Shamsi I, Jilani G, Wu L, Zheng H, Zhang G, Chalhoub B, Shen L*, Yu H*, Jiang L* (2019) Whole-genome resequencing of a world-wide collection of rapeseed accessions reveals the genetic basis of ecotype divergence. *Molecular Plant* 12: 30-43 (*Co-corresponding author).
 8. Zhang Q, Liang Z, Cui X, Ji C, Li Y, Zhang P, Liu J, Riaz A, Yao P, Liu M, Wang Y, Lu T, Yu H, Yang D, Zheng H, Gu X (2018) N6-Methyladenine DNA methylation in Japonica and Indica rice genomes and its association with gene expression, plant development, and stress responses. *Molecular Plant* 11: 1492-1508.
 9. Song S, Chen Y, Liu L, See YHB, Mao C, Gan Y, Yu H* (2018) OsFTIP7 determines auxin-mediated anther dehiscence in rice. *Nature Plants* 4: 495-504 (*Corresponding author).
 10. Liu L, Li C, Song S, Teo ZWN, Shen L, Wang Y, Jackson D, Yu H* (2018) FTIP-dependent STM trafficking regulates shoot meristem development in *Arabidopsis*. *Cell Reports* 23: 1879-1890 (*Corresponding author).
 11. Liang Z, Shen L, Cui X, Bao S, Geng Y, Yu G, Liang F, Xie S, Lu T, Gu X*, and Yu H* (2018) DNA N⁶-adenine methylation in *Arabidopsis thaliana*. *Developmental Cell* 45: 406-416 (*Co-corresponding author).
 12. Li C, Zhang B, Chen B, Ji L, Yu H* (2018) Site-specific phosphorylation of TRANSPARENT TESTA GLABRA1 mediates carbon partitioning in *Arabidopsis* seeds. *Nature Communications* 9: 571. doi:10.1038/s41467-018-03013-5 (*Corresponding author).
 13. Liu Y, Liu D, Khan AR, Liu B, Wu M, Huang L, Wu J, Song G, Ni H, Ying H, Yu H, Gan Y (2018) NbGIS regulates glandular trichome initiation through GA signaling in tobacco. *Plant Molecular Biology* 98: 153-167.
 14. Luo X, Gao Z, Wang Y, Chen Z, Zhang W, Huang J, Yu H, He Y (2018) The NUCLEAR FACTOR-CONS TANS complex antagonizes Polycomb repression to de-repress FLOWERING LOCUS T expression in response to inductive long days in *Arabidopsis*. *Plant Journal* 95: 17-29.
 15. Liu L, Li C, Liang Z, Yu H* (2018) Characterization of multiple C2 domain and transmembrane region proteins in *Arabidopsis*. *Plant Physiology* 176: 2119-2132 (*Corresponding author).
 16. Wang L, Guo M, Li Y, Ruan W, Mo X, Wu Z, Sturrock CJ, Yu H, Lu C, Peng J, Mao C (2017) LARGE ROOT ANGLE1, encoding OsPIN2, is involved in root system architecture in rice. *Journal of Experimental Botany* 69: 385-397.
 17. Wang Y, Liu L, Song S, Li Y, Shen L, Yu H* (2017) DOFT and DOFTIP1 affect reproductive development in the orchid *Dendrobium Chao Praya Smile*. *Journal of Experimental Botany* 68: 5759-5772 (*Corresponding author).
 18. Cui X, Liang Z, Shen L, Zhang Q, Bao S, Geng Y, Zhang Bi, Leo V, Vardy LA, Lu T, Gu X*, Yu H* (2017) 5-methylcytosine RNA methylation in *Arabidopsis thaliana*. *Molecular Plant* 10: 1387-1399 (*Co-corresponding author).
 19. Cui X, Liang Z, Shen L, Zhang Q, Bao S, Geng Y, Zhang Bi, Leo V, Vardy LA, Lu T, Gu X*, Yu H* (2017) 5-Methylcytosine RNA Methylation in *Arabidopsis Thaliana*. *Molecular Plant* (in press) (*Co-corresponding author).
 20. Tao Z, Shen L, Gu X, Wang Y, Yu H, He Y (2017) Embryonic epigenetic reprogramming by a pioneer transcription factor in plants. *Nature* 551: 124-128.
 21. Sawettalake N, Bunnag S, Wang Y, Shen L*, Yu H* (2017). DOAP1 promotes flowering in the orchid *Dendrobium Chao Praya Smile*. *Frontiers in Plant Science* 8. doi: 10.3389/fpls.2017.00400 (*Co-corresponding author).
 22. Song S, Chen Y, Liu L, Wang Y, Bao S, Zhou X, Teo ZWN, Mao C, Gan Y, Yu H* (2017) OsFTIP1 regulation of florigen transport in rice is negatively regulated by a ubiquitin-like domain kinase OsUbdKy4. *Plant Cell* 29: 491-507 (*Corresponding author).

23. Shen L, Liang Z, Yu H* (2017) Dot blot analysis of N6-methyladenosine RNA modification levels. *Bio-protocol* 7. doi:10.21769/BioProtoc.2095 (*Corresponding author).
24. Gong X, Shen L, Peng YZ, Gan Yi, Yu H* (2017) DNA topoisomerase Ia affects the floral transition in Arabidopsis. *Plant Physiology* 173: 642-654 (*Corresponding author).
25. Shen L, Liang Z, Gu X, Chen Y, Teo ZWN, Hou X, Cai WM, Dedon PC, Liu L, Yu H* (2016) N⁶-methyladenosine RNA modification regulates shoot stem cell fate in Arabidopsis. *Developmental Cell* 38: 186-200 (*Corresponding author).
26. Zhu Y, Liu L, Shen L, Yu H* (2016) NaKR1 regulates long-distance movement of FLOWERING LOCUS T in Arabidopsis. *Nature Plants* 2, 16075. doi:10.1038/nplants.2016.75 (*Corresponding author).
27. Zhang L, Yu H, Lin S, Gao Y (2016) Molecular characterization of FT and FD homologs from *Eriobotrya deflexa* Nakai forma *koshunensis*. *Frontiers in Plant Science* 7: 8. doi: 10.3389/fpls.2016.00008.
28. Xi W, Gong X, Yang Q, Yu H*, Liou YC* (2016) Pin1At regulates PIN1 polar localization and root gravitropism. *Nature Communications* 7: 10430. doi: 10.1038/ncomms10430 (*Co-corresponding author).
29. Chen M, Zhang B, Li C, Kulaveerasingam H, Chew FT, and Yu H* (2015) TRANSPARENT TESTA GLABRA 1 regulates the accumulation of seed storage reserves in Arabidopsis. *Plant Physiology* 169: 391–402 (*Corresponding author).
30. Sun L, Zhang A, Zhou Z, Zhao Y, Yan A, Bao S, Yu H, Gan Y (2015) GLABROUS INFLORESCENCE STEMS3 (GIS3) regulates trichome initiation and development in Arabidopsis. *New Phytologist* 206: 220 – 230.
31. Yan Y, Shen L, Chen Y, Bao S, Thong Z, Yu H* (2014) A MYB-domain protein EFM mediates flowering responses to environmental cues in Arabidopsis. *Developmental Cell* 30: 437-448 (*Corresponding author).
32. Hou X*, Zhou J, Liu C, Liu L, Shen L, Yu H* (2014) Nuclear Factor Y-mediated H3K27me3 demethylation of the SOC1 locus orchestrates flowering responses of Arabidopsis. *Nature Communications* 5: 4601. doi: 10.1038/ncomms5601 (*Co-corresponding author).
33. Teixeira da Silva JA*, Aceto S*, Liu W*, Yu H*, Kanno A* (2014) Genetic control of flower development, color and senescence of Dendrobium orchids. *Scientia Horticulturae* 175: 74-86 (*Co-corresponding author).
34. Shen L, Thong Z, Gong X, Shen Q, Gan Y, Yu H* (2014) The putative PRC1 RING-finger protein AtRING1A regulates flowering through repressing MADS AFFECTING FLOWERING GENES in Arabidopsis. *Development* 141: 1303-1312 (*Corresponding author)
35. Teo ZWN, Song S, Wang Y-Q, Liu J, Yu H* (2014) New insights into the regulation of inflorescence architecture. *Trends in Plant Science* 19: 158-165 (*Corresponding author)
36. Liu L, Zhu Y, Shen L, Yu H* (2013) Emerging insights into florigen transport. *Curr Opin Plant Biol* 16: 607-613 (*Corresponding author)
37. Hou X*, Ding L, Yu H* (2013) Crosstalk between GA and JA signaling mediates plant growth and defense. *Plant Cell Reports* 32: 1067-1074 (*Co-corresponding author)
38. Ding L, Wang Y, Yu H* (2013) Overexpression of DOSOC1, an ortholog of Arabidopsis SOC1, promotes flowering in the orchid Dendrobium Chao Parya Smile. *Plant & Cell Physiology* 54: 595-608. (*Corresponding author)
39. Liu C, Teo ZWN, Bi Y, Song S, Xi W, Yang X, Yin Z, Yu H* (2013) A conserved genetic pathway determines inflorescence architecture in Arabidopsis and rice. *Developmental Cell* 24: 612-622. (*Corresponding author)
40. An L, Zhou Z, Sun L, Yan A, Xi W, Yu N, Cai W, Chen X, Yu H, Schiefelbein J, Gan Y (2012) A zinc finger protein gene ZFP5 integrates phytohormone signaling to control root hair development in Arabidopsis. *Plant Journal* 72: 474-490.
41. Liu L, Liu C, Hou X, Xi W, Shen L, Tao Z, Wang Y, Yu H* (2012) FTIP1 is an essential regulator required for florigen transport. *PLoS Biology* 10: e1001313. (*Corresponding author)
42. Tao Z, Shen L, Liu C, Liu Lu, Yan Y, Yu H* (2012) Genome-wide identification of SOC1 and SVP targets during the floral transition in Arabidopsis. *Plant Journal* 70: 549-561. (*Corresponding author)
43. Lee LYC, Hou X, Fang L, Fan S, Kumar PP, Yu H* (2012) STUNTED mediates the control of cell proliferation by GA in Arabidopsis. *Development* 139: 1568-1576. (*Corresponding author)
44. Stamm P, Ravindran P, Mohanty B, Tan EL, Yu H, Kumar PP (2012) Insights into the molecular mechanism of RGL2-mediated inhibition of seed germination in Arabidopsis thaliana. *BMC Plant Biology* 12:179.
45. Shen L, Kang YGG, Liu L, Yu H* (2011) The J-domain protein J3 mediates the integration of flowering signals in Arabidopsis. *Plant Cell* 23: 499-514. (*Corresponding author)
46. Shen L, Yu H* (2011) J3 regulation of flowering time is mainly contributed by its activity in leaves. *Plant Signaling & Behavior* 6: 601-603. (*Corresponding author)

47. Fang L, Hou X, Lee LYC, Liu L, Yan X, Yu H* (2011) AtPV42a and AtPV42b redundantly regulate reproductive development in *Arabidopsis thaliana*. PLoS ONE 6: e19033. (*Corresponding author)
48. Zhou Z, An L, Sun L, Zhu S, Xi W, Broun P, Yu H, Gan Y (2011) Zinc Finger Protein5 Is Required for the Control of Trichome Initiation by Acting Upstream of Zinc Finger Protein 8 in *Arabidopsis*. Plant Physiology 157: 673-682.
49. Xi W, Liu C, Hou X, Yu H* (2010) MOTHER OF FT AND TFL1 regulates seed germination through a negative feedback loop modulating ABA signaling in *Arabidopsis*. Plant Cell 22: 1733-1748. (*Corresponding author)
50. Hou X, Lee LYC, Xia K, Yan Y, Yu H* (2010) DELLAs modulate jasmonate signaling via competitive binding to JAZs. Developmental Cell 19: 884-894. (*Corresponding author)
51. Xi W, Yu H* (2010) MOTHER OF FT AND TFL1 regulates seed germination and fertility relevant to the brassinosteroid signaling pathway. Plant Signaling & Behavior 5: 1315-1317. (*Corresponding author)
52. Wang Y, Liu C, Yang D, Yu H*, Liou YC* (2010) Pin1At encoding a peptidyl-prolyl cis/trans isomerase regulates flowering time in *Arabidopsis*. Molecular Cell 37: 112-122. (*Co-corresponding author)
53. Liu C, Thong Z, Yu H* (2009) Coming into bloom: The specification of floral meristems. Development 136: 3379-3391. (*Corresponding author)
54. Ng KH, Yu H, Ito T (2009) AGAMOUS Controls GIANT KILLER, a multifunctional chromatin modifier in reproductive organ patterning and differentiation. PLoS Biology 7: e1000251.
55. Xi W, Yu H* (2009) Another flowering time gene, FLOWERING LOCUS T, regulates flower development". Plant Signaling & Behavior 4: 1142-1144. (*Corresponding author)
56. Liu C, Xi W, Shen L, Tan C, Yu H* (2009) Regulation of floral patterning by flowering time genes. Developmental Cell 16: 711-722. (*Corresponding author)
57. Hou X, Hu W-W, Shen L, Lee LYC, Tao Z, Han J-H, Yu H* (2008) Global identification of DELLA target genes during *Arabidopsis* flower development. Plant Physiology 147: 1126-1142. (*Corresponding author)
58. Han P, García-Ponce B, Fonseca-Salazar G, Alvarez-Buylla ER, Yu H* (2008) AGAMOUS-LIKE 17, a novel flowering promoter, acts in a FT-independent photoperiod pathway. Plant Journal 55: 253-265. (*Corresponding author)
59. Li D, Liu C, Shen L, Wu Y, Chen H, Robertson M, Helliwell CA, Ito T, Meyerowitz EM, Yu H* (2008) A repressor complex governs the integration of flowering signals in *Arabidopsis*. Developmental Cell 15: 110-120. (*Corresponding author)
60. Lim TS, Chitra TR, Tay BH, Pua EC, Yu H* (2008) Molecular characterization of *Arabidopsis* and *Brassica juncea* Cu/Zn-superoxide dismutases reveals their direct involvement in shoot regeneration. Journal of Plant Growth Regulation 27: 99-109. (*Corresponding author)
61. Liu C, Chen H, Er HL, Soo HM, Kumar P, Han J-H, Liou YC, Yu H* (2008) Direct interaction of AGL24 and SOC1 integrates flowering signals in *Arabidopsis*. Development 135: 1481-1491. (*Corresponding author)
62. Chai D, Yu H* (2008) Bloom time for genetically engineered orchids. Innovation Magazine 8: 68-69. (*Corresponding author)
63. Chai D, Yu H* (2007) Recent advances in transgenic orchid production. Orchid Science and Biotechnology 1: 34-39. (*Corresponding author)
64. Ito T, Ng KH, Lim TS, Yu H, Meyerowitz EM (2007) The homeotic protein AGAMOUS controls late stamen development by regulating a jasmonate biosynthetic gene in *Arabidopsis*. Plant Cell 19: 3516-3529.
65. Gan Y, Yu H, Peng J, Broun P (2007) Genetic and molecular regulation by DELLA proteins of trichome development in *Arabidopsis thaliana*. Plant Physiology 145: 1031-1042.
66. Chai D, Lee SM, Ng JH, Yu H* (2007) L-methionine sulfoximine as a novel selection agent for genetic transformation of orchids. Journal of Biotechnology 131: 466-472. (*Corresponding author)
67. Liu C, Zhou J, Bracha-Drori K, Yalovsky S, Ito T, Yu H* (2007) Specification of *Arabidopsis* floral meristem identity by repressing flowering time genes. Development 134: 1901-1910. (*Corresponding author)
68. Gan Y, Liu C, Yu H, Broun P (2007) Integration of cytokinin and gibberellin signalling by *Arabidopsis* transcription factors GIS, ZFP8 and GIS2 in the regulation of epidermal cell fate. Development 134: 2073-2081.
69. Yu H* (2007) Identification of floral organ identity genes in the orchid. Biomolecular Frontiers 2: 4. (*Corresponding author)
70. Lim TS, Chitra TR, Han P, Pua EC, Yu H* (2006) Cloning and molecular characterization of *Arabidopsis* and *Brassica juncea* flavin-containing amine oxidases. Journal of Experimental Botany 57:4155-4169. (*Corresponding author)

71. Gan Y, Kuminoto R, Liu C, Ratcliffe O, Yu H, Broun P (2006) *GLABROUS INFLORESCENCE STEMS* modulates gibberellin signaling in the regulation of epidermal differentiation and shoot maturation in *Arabidopsis*. *Plant Cell* 18: 1383-1395.
72. Xu Y, Teo LL, Zhou J, Kumar P*, Yu H* (2006) Floral organ identity genes in the *Dendrobium* orchids. *Plant Journal* 46: 54-68. (*Co-corresponding author)
73. Zhao Y, Medrano L, Ohashi K, Fletcher JC, Yu H, Sakai H, Meyerowitz EM (2004) HANABA TARANU is a GATA transcription factor that regulates shoot apical meristem and flower development in *Arabidopsis*. *Plant Cell* 16:2586-2600.
74. Yu H, Ito T, Zhao Y, Peng J, Kumar P, Meyerowitz EM (2004) Floral homeotic genes are targets of gibberellin signaling in flower development. *Proc. Natl. Acad. Sci. USA* 101: 7827-7832.
75. Ito T, Wellmer F, Yu H, Das P, Ito N, Alves-Ferreira M, Riechmann JL, Meyerowitz EM (2004) The *Arabidopsis* organ identity protein AGAMOUS controls microsporogenesis through regulation of SPOROCTELESS/NOZZLE. *Nature* 430: 356-360.
76. Yu H, Ito T, Wellmer F, Meyerowitz EM (2004) Repression of AGAMOUS-LIKE 24 is a crucial step in promoting flower development. *Nature Genetics* 36: 157-161.
77. Yang SH, Yu H, Xu Y, Goh CJ (2003) Investigation of cytokinin-deficient phenotypes in *Arabidopsis* by ectopic expression of orchid DSCKX1. *FEBS Letters* 555: 291-296.
78. Yu H, Kumar P (2003) Post-transcriptional gene silencing in plants by RNA. *Plant Cell Reports* 22: 167-174.
79. Yang SH, Yu H, Goh CJ (2003) Functional characterisation of a cytokinin oxidase gene DSCKO1 in *Dendrobium* orchid. *Plant Molecular Biology* 51: 237-248.
80. Yu H, Xu Y, Tan EL, Kumar P (2002) AGAMOUS-LIKE 24, a dosage-dependent mediator of the flowering signals. *Proc. Natl. Acad. Sci. USA* 99: 16336-16341.
81. Yang SH, Yu H, Goh CJ (2002) Isolation and characterization of the orchid cytokinin oxidase DSCKO1 promoter. *Journal of Experimental Botany* 53: 1899-1907.
82. Yu H, Yang SH, Goh CJ (2002) Spatial and temporal expression of the orchid floral homeotic gene DOMADS1 is mediated by its upstream regulatory elements. *Plant Molecular Biology* 49: 225-237.
83. Yu H, Yang SH, Goh CJ (2001) *Agrobacterium*-mediated transformation of a *Dendrobium* orchid using the class 1 knox gene DOH1. *Plant Cell Reports* 20: 301-305.
84. Yu H, Goh CJ (2001) Molecular genetics of reproductive biology in orchids. *Plant Physiology* 127: 1390-1393.
85. Yu H, Yang SH, Goh CJ (2000) DOH1, a class 1 knox gene, is required for maintenance of the basic plant architecture and floral transition in orchid. *Plant Cell* 12: 2143-2159.
86. Goh CJ, Yu H (2000) Gene expression during flowering in orchids. *Flowering Newsletter* 30: 8-16.
87. Yu H, Goh CJ (2000) Identification and characterization of three orchid MADS-box genes of the AP1/AGL9 subfamily during floral transition. *Plant Physiology* 123: 1325-1336.
88. Yu H, Goh CJ (2000) Differential gene expression during floral transition in an orchid hybrid *Dendrobium* Madame Thong-In. *Plant Cell Reports* 19: 926-931.

Book chapter

1. Shen L, Yu H (2011) Function of MADS-box proteins in the integration of flowering signals in *Arabidopsis*. In: Yaish M (ed.) *The Flowering Process and its Control in Plants: Gene Expression and Hormone Interaction*. Research Signpost, Kerala, India, pp 31-49.
2. Yu H, Xu Y (2007) Orchids. In: Pua EC and Davey MR (eds.) *Biotechnology in Agriculture and Forestry*, Vol 61. Springer-Verlag, Berlin Heidelberg, Germany, pp 273-288.
3. Yu H, Dhavale T, Yang S (2006) Molecular mechanisms of hormone functions in flowering. In: Teixeira da Silva JA. (ed.) *Floriculture, Ornamental and Plant Biotechnology: Advances and Topical Issues*, Ed 1 Vol 1. Global Science Books, London, UK, pp 25-32.

Invited Presentations:

International

- Invited speaker for the 6th International Symposium on Plant Reproductive Development, Shanghai, China, 21-25 Jul, 2019. Title: Molecular basis of natural variation in photoperiodic flowering responses.
- Invited speaker for the 30th International Conference on Arabidopsis Research (ICAR2019), Wuhan, China, 16-21 Jun, 2019. Title: RNA modifications in plants.
- Invited speaker for NUS-XMU-CGU joint symposium, 16-18 May, 2019, Taoyuan, Taiwan. Title: RNA modifications in plants.
- Invited speaker for POSTECH-NUS Joint Symposium in Plant Biology, Pohang, South Korea, 5-7 Oct, 2018. Title: N6-Methyladenosine RNA Modification in Plant Development.

- Invited speaker for the 25th International Congress on Sexual Plant Reproduction, Gifu, Japan, 11-16 Jun, 2018. Title: Molecular basis of florigen transport.
- Invited seminar in Department of Life Sciences, National Cheng Kung University, Tainan, Taiwan, 10 Apr 2018. Title: N6-Methyladenosine RNA Modification in Arabidopsis.
- Invited seminar in School of Life Sciences, University of Science and Technology of China, Hefei, China, 15 Dec 2017. Title: N6-Methyladenosine RNA Modification in Arabidopsis.
- Invited seminar in School of Life and Environmental Sciences, Hangzhou Normal University, Hangzhou, China, 13 Dec 2017. Title: N6-Methyladenosine RNA Modification in Arabidopsis.
- Invited keynote speaker for 5th International Symposium on Plant Reproductive Development, Shanghai, China, 3-7 Jul 2017. Title: Molecular mechanisms of florigen transport.
- Invited speaker for 18th International Congress of Developmental Biology, Singapore, 18-22 Jun, 2017. Title: N6-Methyladenosine RNA Modification in Plant Development.
- Invited speaker for International Symposium in the Institute of Plant and Microbial Biology (IPMB), Academia Sinica, Taiwan, 14-18 May, 2017. Title: N6-Methyladenosine RNA Modification in Plant Development.
- Invited speaker for the 27th International Conference on Arabidopsis Research. Gyeongju, Korea, 29 Jun-3 Jul 2016. Title: Regulation of florigen transport in Arabidopsis.
- Invited speaker for IRRI-NUS-TLL rice research workshop. National University of Singapore, Singapore, 28-29 Jan 2016. Title: Mechanisms of flowering time control in rice
- Invited speaker for the 6th International Singapore Lipid Symposium (ISLS6) and the 6th Asian Symposium on Plant Lipids. Singapore, 30 Nov-2 Dec 2015. Title: Regulation of storage lipids & oil production in Arabidopsis.
- Invited speaker and session chair for International Conference on Synthetic Biology. Houston, USA. 28-30 Sep 2015. (Declined due to busy schedule)
- Invited seminars in South China Botanical Garden (Chinese Academy of Sciences); College of Life Sciences-SUN YAT-SEN University; South China Agricultural University, Guangzhou, China 7-9 Sep 2015. Title: Regulation of flowering responses to environmental cues in Arabidopsis.
- Invited plenary speaker for the 5th International Conference on Advancement in Science and Technology (iCAST) 2015, Kuantan, Malaysia, 10 - 12 Aug 2015. Title: Regulation of flowering responses in Arabidopsis.
- Invited speaker for the Cold Spring Harbor Asia conference on Frontiers of Plant Biology--Plant Epigenetics in Growth and Development, Suzhou, China, 8-12 Jun 2015. Title: Flowering responses to environmental cues in Arabidopsis.
- Invited Lecture in School of Life Sciences, Fudan University, Shanghai, China, 10-11 Mar 2015. Title: Molecular Control of Flowering Time and Flower Development.
- Invited speaker for the 2014 Annual Conference on the Korean Society of Plant Biologist & International Symposium for Plant Science, Daejeon, Korea, 6-7 Nov 2014. Title: Integration of flowering signals in Arabidopsis.
- Invited seminar in School of Natural Sciences, Seoul National University, Seoul, Korea, 5 Nov 2014. Title: Regulation of flowering responses to environmental cues.
- Invited speaker for International Symposium of Plant Floral Development and Physiology, National Cheng Kung University, Tainan, Taiwan, 18-21 Oct 2014. Title: A conserved genetic pathway determines inflorescence architecture.
- Invited speaker for International Symposium on Plant Sexual Reproduction, Institute of Plant and Microbial Biology, Academia Sinica, Taipei, Taiwan, 15-17 Oct 2014. Title: Regulation of flowering responses to environmental cues in Arabidopsis.
- Invited plenary speaker for the International Workshop "The Roots of Sustainable Agriculture: from Concepts to Practice", Zhejiang University, Hangzhou, China, 11-15 Oct 2014. Title: Regulation of flowering responses to environmental cues in Arabidopsis.
- Invited seminar in College of Life Sciences, Zhejiang University, Hangzhou, China, 1 Nov 2013. Title: Plant molecular genetics.
- Invited speaker at the 1st ASEAN Universities Workshop on Agri-biotechnology, Department of Biological Sciences, National University of Singapore, Singapore, 21 Oct 2013. Title: Investigation of flowering time control in rice.
- Invited speaker at the 3rd Annual World Congress of Agriculture, Hangzhou, China, 23-25 Sep 2013. (Declined due to busy schedule)
- Invited keynote speaker at the International meeting of Floral transition in Arabidopsis, Max Planck Institute for Developmental Biology, Tübingen, Germany, 16-18 Sep 2013. Title: Integration of flowering signals in response to environmental and developmental signals.
- Invited speaker at The 3rd International Symposium on Plant Reproductive Development. Shanghai, China, 16-17 Jul 2013. Title: A conserved genetic pathway determines inflorescence architecture in flowering plants.

- Invited speaker at The 21st International Conference on Plant Growth Substances, Shanghai, China, 18-22 Jun 2013. Title: Integration of flowering signals in Arabidopsis.
- Invited speaker at The International Flower Development Workshop, Presqu'île de Giens, France, 8-12 Jun 2013. (Declined due to busy schedule)
- Invited Session Chair and speaker at The 3rd Annual World Congress of Molecular & Cell Biology (CMCB-2013), Suzhou, China, 14-16 Jun 2013. (Declined due to busy schedule)
- Invited speaker at The Joint Conference of HGM 2013 and 21st International Congress of Genetics, SUNTEC, Singapore, 13-18 Apr 2013. Title: A conserved genetic mechanism determines inflorescence architecture.
- Invited speaker at The 4th Annual Word DNA & Genome Day 2013, Nanjing, China, 25-27 Apr 2013. (Declined due to busy schedule)
- Invited speaker at The 10th International Congress on Plant Molecular Biology, ICC Jeju, Jeju, Korea, 21-26 Oct 2012. Title: A group of novel regulators control flowering through regulating florigen transport.
- Invited speaker at The 1st International Conference for GM Crops & Food, Cairo, Egypt, 27-29 Nov 2012. (Declined due to busy schedule)
- Invited speaker at Plant Biology Congress Freiburg 2012, University of Freiburg, Freiburg, Germany, 30 July-3 Aug 2012. Title: FTIP1 is an essential regulator required for florigen transport.
- Invited speaker at The 2012 Gordon Conference on Plant Molecular Biology, Holderness School, Holderness, USA, 15-20 Jul 2012. Title: A regulator required for florigen transport.
- Invited speaker at The 3rd World Congress on Biomarkers, Las Vegas, USA, 2-4 Jul 2012. (Declined due to busy schedule)
- Invited speaker at The 2nd Annual International Congress of Agricultural Biotechnology, 20-22 Sep 2012, Dalian, China. (Declined due to busy schedule)
- Invited speaker at The 53rd Annual Meeting of the Japanese Society of Plant Physiologists, Kyoto Sangyo University, Kyoto, Japan, 16-18 Mar 2012. Title: Regulation of floral patterning by flowering time genes.
- Invited plenary speaker at the 3rd International Conference on Biological Sciences, Universitas Gadjah Mada, Yogyakarta, Indonesia, 23-24 Sep 2011. Title: Molecular mechanisms of flower initiation.
- Invited speaker at NUS-Kyushu Bilateral Meeting on Biological Sciences, Kyushu University, Fukuoka, Japan, 22 - 23 Aug 2011. Title: Molecular mechanisms of flower initiation.
- Invited speaker at Mt. Tai Academic Forum on Crop Biology, Shandong Agricultural University, Taian, China, 6 Aug 2011. Title: Advances in flowering mechanisms.
- Invited speaker at the International Symposium on Plant Reproductive Development, Shanghai Jiaotong University, Shanghai, China, 4-5 Aug 2011. Title: Recent advances in the flowering network in Arabidopsis.
- Invited seminar speaker at College of Agriculture and Biotechnology, Zhejiang University, Hangzhou, China, 10 Jun 2011. Title: Recent advances in the flowering network.
- Invited seminar speaker at College of Biological Sciences, China Agricultural University, Beijing, China, 19 Nov 2010. Title: Recent advances in flowering network and phytohormone interaction.
- Invited speaker at the International Symposium on Plant Science Communications 2010, Okazaki Conference Center, Okazaki, Japan, 16-18 Nov 2010. Title: Molecular mechanisms of the integration of flowering signals
- Invited seminar speaker at College of Life Science & Biotechnology, Shanghai Jiaotong University, Shanghai, China, 20 Sep 2010. Title: Recent advances in flowering network and phytohormone interaction.
- Invited speaker at Sime Darby Technology Centre, Kuala Lumpur, Malaysia, 29 Apr 2010. Title: Research on plant functional genomics.
- Invited speaker at the 32nd Annual Meeting of the Molecular Biology Society of Japan, Pacifico Yokohama, Yokohama, Japan, 8-12 Dec 2009. Title: Molecular mechanisms of flower initiation
- Invited speaker at the International Symposium on Frontiers in Plant Molecular Biology: Cell and Developmental Biology 2009, Suzhou West Hills, Suzhou, China, 14-18 Nov 2009. Title: A genetic framework for flower initiation.
- Invited seminar speaker at College of Life Science & Biotechnology, Shanghai Jiaotong University, Shanghai, China, 22 Sep 2009. Title: Molecular mechanisms of flower initiation.
- Invited seminar speaker at College of Agriculture and Biotechnology, Zhejiang University, Hangzhou, China, 25 May 2009. Title: A genetic framework for flower initiation.
- Invited seminar speaker at the School of Life Sciences, Fudan University, Shanghai, China, 20 May 2009. Title: A genetic framework for flower initiation.

- Invited speaker for The Singapore Promise Speaker Series organized by Hill & Knowlton (SEA) Pte Ltd and Singapore Prime Minister Office, Fudan University, Shanghai, China, 19 May 2009. Title: In conversation with Dr. Yu Hao.
- Invited speaker at the Joint 5th Structural Biology and Functional Genomics and 1st Biological Physics International Conference, National University of Singapore, Singapore, 9 -11 Dec 2008. Title: Molecular mechanisms of flower initiation.
- Invited speaker at the 9th Sino-Singapore Symposium on Biology, Yunnan University, Kunming, China, 11-13 Nov 2008. Title: A genetic framework for flower initiation.
- Invited speaker for Plant Molecular Biology Course organized by Ministry of Education, China, Shanghai Scholar Administration, and Shanghai Jiaotong University, Shanghai Jiaotong University, Shanghai, China, 9 Jul 2008. Title: Flowering and flower development.
- Invited speaker at the 1st Weizmann Institute of Science-Singapore Meeting on Cell and Developmental Biology, Weizmann Institute of Science, Rehovot, Israel, 6–7 Aug 2007. Title: Molecular mechanisms of floral meristem specification.
- Invited speaker at the 6th Sino-Singapore Symposium on Biology, Fudan University, Shanghai, China, 10-12 Nov 2005. Title: Floral homeotic genes are targets of gibberellin signaling in flower development.
- Invited speaker at the 6th Frontier Science Symposium, National University of Singapore, Singapore, 07 Nov 2005. Title: Mechanisms for specifying floral meristem identity.
- Invited seminar speaker at College of Biological Sciences, China Agricultural University, Beijing, China, 19 Apr 2005. Title: GA function in flower development.
- Invited speaker at the 1st joint symposium between Temasek Life Sciences Laboratory and the Institute of Genetics and Developmental Biology, Chinese Academic of Sciences, Beijing, China, 15-17 Apr 2005. Title: GA signaling in flower development.
- Invited speaker at the 5th Sino-Singapore Conference on Life Science and Biotechnology, Wuhan University, Wuhan, China, 20-24 Oct 2004. Title: A genetic model for floral meristem development.
- Invited seminar speaker at Institute of Plant Physiology and Ecology, Chinese Academy of Sciences, Shanghai, China, 1 Jun 2004. Title: AGL24 function in flower development.
- Invited seminar speaker at College of Life Science & Biotechnology, Shanghai Jiao Tong University, Shanghai, China, 31 May 2004. Title: AGL24 function in flower development.
- Invited speaker at International Symposium of Plant Genome and Proteome: Function of Proteins and RNAs, Hangzhou, China, 27-29 May 2004. Title: Model for floral meristem development
- Invited seminar speaker at the Department of Botany, the University of Hong Kong, Hong Kong, 1 Nov 2001. Title: Molecular genetic studies on orchid flowering

Local

- Invited speaker at the IRRI-NUS-TLL Rice Research Workshop, NUS-DBS, Singapore, 28-29 Jan 2016. Title: Mechanisms of flowering time control in rice.
- Invited speaker at The Inaugural NUS-Peking University Bilateral Workshop, NUS-DBS, Singapore, 19 Nov 2014. Title: Unraveling the molecular basis of plant reproductive development.
- Invited speaker at the Inaugural Biology Colloquium in the Department of Biological Sciences, National University of Singapore, NUS-DBS, Singapore, 16 Aug 2013. Title: A conserved genetic pathway determines inflorescence architecture.
- Invited speaker for Singapore Biology Olympiad Team for the International Biology Olympiad 2013, NUS-DBS, Singapore, 15 May 2013. Title: Plant molecular genetics
- Invited speaker at the Training Workshop for Biology Teachers from Chinese Independent High Schools (Malaysia), NUS-DBS, Singapore, 22 May 2012. Title: Plant molecular biology.
- Invited speaker for Singapore Biology Olympiad Team for the International Biology Olympiad 2012, NUS-DBS, Singapore, 16 May 2012. Title: Plant molecular genetics.
- Invited speaker at the Training Workshop for Biology Teachers from Chinese Independent High Schools (Malaysia), NUS-DBS, Singapore, 24 May 2011. Title: Plant molecular biology.
- Invited speaker for Singapore Biology Olympiad Team for the International Biology Olympiad 2011, NUS-DBS, Singapore, 18 May 2011. Title: Plant Molecular Genetics.
- Invited speaker at the Training Workshop for Biology Teachers from Chinese Independent High Schools (Malaysia), NUS-DBS, Singapore, 24 May 2011. Title: Plant Molecular Biology.
- Invited speaker at LUNCHTIME SCIENCE TALK in Faculty of Science, NUS, 5 Nov 2009. Title: Coming into bloom: what flowers can benefit us.
- Invited speaker at Public Forum on "SYMMETRY, SHAPES AND COLOUR IN BIOLOGY" jointly organized by the Singapore Institute of Biology & the National Library Board, National Library, Singapore, 22 Sep 2007. Title: Building beauty: what underlies floral patterning.

- Invited speaker at the Training Workshop for Biology Teachers from Chinese Independent High Schools (Malaysia), NUS-DBS, Singapore, 3-6 Jul 2006. Title: Plant Molecular Biology.
- Invited speaker at The 5th Annual National Biological Convention of the Singapore Institute of Biology, Singapore, 22 Oct 2005. Title: Mechanisms for specifying floral meristem identity.
- Invited speaker at the Singapore Orchid Business Cluster, Horticulture Services Centre, FSTD Horticulture Branch, Agri-Food & Veterinary Authority, Singapore, 13 Ap 2005. Title: Studies on flower development.
- Invited speaker at Temasek Life Sciences Laboratory, Singapore, 2 Aug 2004. Title: A genetic model for floral meristem development.
- Invited speaker for the Workshop of Methodology of Nonradioisotope Hybridization, Roche Diagnostic Asia Pacific (Pte) Ltd, Singapore, 4 Sep 2001. Title: Methodology of nonradioisotope hybridization

Membership of Scientific Advisory Boards or Editorial Boards:

1. **F1000 faculty member** in Plant Biology (Plant Genetics & Gene Expression, since Nov 2016)
2. **Annual Review of Cell and Developmental Biology** (published by Annual Reviews; Editorial Committee Member from Jan 2016 to Dec 2020)
3. **eLife** (published by eLife Sciences Publications; Reviewing Editor since Sep 2015)
4. **PLoS Genetics** (published by Public Library of Science; Associate Editor since Aug 2012)
5. **Proceedings of the National Academy of Sciences of the United States of America** (published by National Academy of Sciences-USA, Guest Editor since Aug 2016)
6. **Frontiers in Plant Evolution and Development** (published by Frontiers Research Foundation in Switzerland and Nature Publishing Group; Review Editor since Jan 2011)
7. Academic Advisory Board member for **the School of Life Sciences, Management Development Institute of Singapore** (since Jul 2011)
8. Elected overseas expert for **Chinese Academy of Sciences** (since 2014)
9. International evaluation panel member for **Shanghai Center for Plant Stress Biology, Chinese Academy of Sciences** (2014)
10. International evaluation panel member for **Center of Excellence in Plant Molecular Biology, Chinese Academy of Sciences** (2015)
11. International advisor for **National Institute for Basic Biology (NIBB), Japan** (since 2015)
12. International reviewer for **the Institute of Plant and Microbial Biology (IPMB), Academia Sinica, Taiwan** (2017)
13. External Examiner for **Faculty Biotechnology & Biomolecular Sciences, Universiti Putra Malaysia** (since 2017)
14. **BMC Plant Biology** (published by BioMed Central in UK; Associate Editor, 2009-2016)
15. **Bioscience Reports** (published by Portland Press in UK; Editorial Board Member, 2012-2016)
16. **GM Crops and Food** (published by Landes Bioscience in USA; Editor, 2009-2016)
17. **Journal of Experimental Botany** (published by Oxford University Press in UK; International Scientific Advisory Board member; 2008-2012; Member of Board of Reviewers, 2012-2016)
18. **3Biotech** (published by Springer in Germany; Associate Editor, 2010-2012)
19. **GSB journals** (published by Global Science Books in UK; Editor for three journals: Genes, Genomes and Genomics; International Journal of Plant Developmental Biology; Orchid Science and Biotechnology; 2006-2011)

Reviewer for Academic Society:

Reviewer for 39 international refereed journals

Science, Nature Genetics, Developmental Cell, PLoS Biology, Nature Plants, Trends in Plant Science, Current Biology, Plant Cell, Proc. Natl. Acad. Sci. USA, eLife, Development, Seminars in Cell and Developmental Biology, PLoS Genetics, PLoS ONE, Cell Research, Cellular and Molecular Life Sciences, Plant Journal, Plant Physiology, Cellular and Molecular Life Sciences, Journal of Experimental Botany, Molecular Plant, Plant Molecular Biology, Advances in Botanical Research, Journal of Plant Physiology, Plant Cell Reports, Journal of the American Society of Horticultural Science, Plant Science, Plant Breeding, Plant Physiology and Biochemistry, TSW Development & Embryology, GM crops, Euphytica, 3Biotech, Journal of Bioscience, Plant Signaling & Behavior, Scientia Horticulturae, Floriculture and Ornamental Biotechnology, Science Asia-Journal of the Science Society of Thailand, Gardens Bulletin Singapore

Reviewer for 11 local and overseas grant agencies

- National Science Foundation, USA (since 2008)
- Hong Kong Research Grant Council, Hong Kong (since 2004)

- Austrian Science Fund, Austria (since 2009)
- Israel Science Foundation (ISF), Israel (since 2010)
- The Netherlands Organisation for Scientific Research (NWO), Netherlands (since 2010)
- Natural Sciences and Engineering Research Council of Canada (since 2010)
- The French National Research Agency (ANR), France (since 2012)
- Czech Science Foundation (GACR), Czech Republic (since 2007)
- National Natural Science Foundation of China, China (since 2012)
- The Fund for Scientific Research (F.R.S.-FNRS), Belgium (since 2013)
- National Research Foundation, Prime Minister's Office, Singapore (since 2013)
- Biomedical Research Council (BMRC), The Agency for Science, Technology and Research (A*STAR), Singapore (since 2010)
- Ministry of Education, Singapore (since 2019)

Invited External Reviewer for promotion of faculty members

- Shanghai Jiaotong University, China
- Zhejiang University, China
- King Abdulaziz University, Saudi Arabia
- University Of Jeddah, Saudi Arabia
- Universiti Kebangsaan Malaysia, Malaysia
- Institute of Plant and Microbial Biology, Academia Sinica, Taiwan,

Research Grants as PI or Co-PI:

1. Project Title: Identification of genes and functions of their products associated with plant morphogenesis in vitro using the functional genomics approach
Source: NUS Academic Research Fund (ARF-Tier 1)
Duration: 4 years (Jan 2002---Dec 2005)
Amount: S\$64, 022
Status: Principal Investigator
2. Project Title: Identification and manipulation of genes associated with fruit ripening
Source: NUS ARF-Tier 1
Duration: 3 years (Oct 2003---Sep 2006)
Amount: S\$57,400
Status: Co-Principal Investigator
3. Project Title: Molecular genetic studies on orchid flowering
Source: NUS Start-up fund
Duration: 3 years (Jul 2004---Jun 2007)
Amount: S\$145,130
Status: Principal Investigator
4. Project Title: Molecular genetic studies of the function of inositol 1,4,5-trisphosphate kinase in plant development
Source: International Collaboration Fund, Faculty of science, NUS
Duration: 1 year (Mar 2005---Mar 2006)
Amount: S\$6,800
Status: Principal Investigator
5. Project Title: Investigation of gibberellin signaling in flowering process
Source: ARF-Tier 2, Ministry of Education, Singapore
Duration: 3 years (Jan 2006---Jun 2009)
Amount: S\$729,164
Status: Principal investigator
6. Project Title: Molecular genetic studies on SVP function in flowering process
Source: NUS ARF-Tier 1
Duration: 3 years (Jul 2006---Jun 2009)
Amount: S\$93,000
Status: Principal investigator
7. Project Title: NUS Young Researcher Award
Source: NUS, Office of Deputy President
Duration: 3 years (Jul 2007---Jun 2010)
Amount: S\$10,000
Status: Principal investigator
8. Project Title: Genetic modification of orchid flowering traits
Source: NUS ARF-Tier 1
Duration: 3 years (Jul 2007---Jun 2010)
Amount: S\$92,500

- Status: Principal investigator
9. Project Title: Elucidating the regulatory network of floral transition mediated by MADS-box genes
Source: ARF-Tier 2, Ministry of Education, Singapore
Duration: 3 years (Dec 2008---Nov 2011)
Amount: S\$787,010
Status: Principal investigator
 10. Project Title: Characterization of oil palm genes using Arabidopsis as a plant model system
Source: Sime Darby Technology Centre Sdn. Bhd., Malaysia
Duration: 6 years (May 2011---May 2017)
Amount: S\$988,800
Status: Principal investigator
 11. Project Title: Characterization of floral organ development mediated by DELLA proteins
Source: NUS ARF-Tier 1
Duration: 3 years (Dec 2011---Dec 2014)
Amount: S\$129,141
Status: Principal investigator
 12. Project Title: Unraveling the function of J-domain proteins in flowering time control
Source: ARF-Tier 2, Ministry of Education, Singapore
Duration: 3 years (Dec 2011---Nov 2014)
Amount: S\$789,780
Status: Principal investigator
 13. Project Title: Rice for the future: Novel strategies to develop elite and improved varieties for sustainable rice production
Source: National Research Foundation-CRP
Duration: 5 years (Mar 2012---Feb 2017)
Amount: S\$9,946,500
Status: Co-Principal Investigator
 14. Project Title: Characterization of novel regulators that control florigen transport
Source: ARF-Tier 2, Ministry of Education, Singapore
Duration: 3 years (Aug 2012---Jan 2016)
Amount: S\$807,728
Status: Principal investigator
 15. Project Title: Unravelling the function of FIP37 in shoot meristem development
Source: ARF-Tier 2, Ministry of Education, Singapore
Duration: 3 years (Nov 2015---Oct 2018)
Amount: S\$699,356.40
Status: Principal investigator
 16. Project Title: Unravelling the mechanism of macromolecular trafficking in plants
Source: National Research Foundation-NRF Investigatorship
Duration: 5 years (Mar 2016---Feb 2021)
Amount: S\$2,990,460
Status: Principal investigator
 17. Project Title: Characterization of a CTD phosphatase-like protein in flowering time control
Source: ARF-Tier 2, Ministry of Education, Singapore
Duration: 3 years (Sep 2016---Sep 2019)
Amount: S\$857,330
Status: Principal investigator

Research Students and Staffs Trained:

- 30 Ph.D, 4 Masters, and 25 honours students graduated from my lab.
- 18 Postdocs were trained in the lab.
- 5 Ph.D and 1 honour students, and 8 postdocs are currently in the lab.
- Since 2008, Ph.D students in my lab have consistently won the following prestigious awards:
 - Wang Gungwu Medal and Prize for the best Ph.D thesis in “Natural Sciences” in NUS
 - Chua Toh Hua Memorial Gold Medal for the best Ph.D thesis in “Life Sciences” in NUS (twice)
 - The Top Graduate Research Award in Faculty of Science, NUS
 - The Best Graduate Research Award in Department of Biological Sciences, NUS
 - Chinese Government Award for Outstanding Self-financed Students Abroad
 - Singapore Millennium Foundation PhD scholarship
 - First Ray Wu International Prize for Excellence in Life Sciences
 - International Society of Plant Molecular Biology (ISPMB) Gold Medal for the most outstanding research work done in “Plant Sciences” in NUS (twice)