

Curriculum Vitae

Yu Ti CHENG

Contact Information

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EDUCATION

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| January 2008 – May 2013 | Doctor of Philosophy University of British Columbia Genetics Graduate Program |
| September 2006 – January 2008 | Master of Science (incomplete; transferred to Ph.D.) University of British Columbia Genetics Graduate Program |
| September 2001 – April 2004 | Bachelor of Science University of British Columbia Biochemistry Major |

AWARDS

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| January 2014 – present | NSERC Postdoctoral Fellowship (PDF) |
| September 2009 – August 2012 | NSERC Postgraduate Scholarship (PGS D3) |
| September 2009 – August 2011 | UBC Four Year Fellowships (FYF) For PhD Students |
| September 2007 – August 2011 | UBC Ph.D. Tuition Fee Award |
| May 2004 – August 2004 | NSERC Undergraduate Student Research Award |

TEACHING EXPERIENCE

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| January 2009 – August 2009 | Teaching assistant University of British Columbia Course: Biology 335 - Molecular Genetics |
| September 2012 – December 2013 | Teaching assistant University of British Columbia Course: Biology 334 - Basic Genetics |
| January 2013 – April 2013 | Teaching assistant University of British Columbia Course: Biology 234 - Fundamentals of Genetics |

PRESENTATIONS AT MEETINGS

Cheng YT, Li Y, Huang S, Huang Y, Dong X, Zhang Y, Li X. **Stability of plant immune-receptor resistance proteins is controlled by SKP1-CULLIN1-F-box (SCF)-mediated protein degradation.** Gave a talk at International Plant & Animal Genome XX - Host-Microbe Interactions workshop, 2012 (San Diego, California).

Cheng YT, Germain H and Li X. **Nuclear accumulation of SNC1 is possibly important for defence activation.** Poster presented at Keystone Symposia - Receptors and Signaling in Plant Development and Biotic Interactions (C2), 2010 (Tahoe City, California).

Cheng YT, Zhang Y., Bi D. and Li X. **MOS7, a putative Nup88 homolog, plays an essential role in plant innate immunity.** Poster presented at the 5th Canadian Plant Genomics Workshop, 2007 (Vancouver, BC).

PUBLICATIONS

Xu F, Kapos P, Cheng YT, Li M, Zhang Y, Li X. (2014) NLR-Associating Transcription Factor bHLH84 and Its Paralogs Function Redundantly in Plant Immunity. *PLoS Pathogen* 10(8):e1004312

Xia S*, Cheng YT*, Huang S, Wine J, Soardse, Jinn TL, Jones JD, Kamoune S, Chen S, Zhang Y, Li X. (2013) Regulation of transcription of NB-LRR-encoding genes SNC1 and RPP4 via H3K4 trimethylation. *Plant Physiology* 162(3): 1694-1705.

*equal contribution

Shearer HL*, Cheng YT*, Wang L, Liu J, Boyle P, Després C, Zhang Y, Li X, Fobert PR. (2012) Arabidopsis Clade I TGA Transcription Factors Regulate Plant Defenses in an NPR1-Independent Fashion. *Mol Plant Microbe Interact.* 25(11):1459-68.

*equal contribution

Cheng YT and Li X. (2012) Ubiquitination in NB-LRR-mediated immunity. *Curr Opin Plant Bio* 15(4): 392-9.

Wiermer M, Cheng YT, Imkampe J, Li M, Wang D, Lipka V, Li X. (2012) Putative members of the Arabidopsis Nup107-160 nuclear pore sub-complex contribute to pathogen defense. *Plant Journal* 70(5): 796-808.

Cheng YT, Li Y, Huang S, Huang Y, Dong X, Zhang Y, Li X. (2011) Stability of plant immune-receptor resistance proteins is controlled by SKP1-CULLIN1-F-box (SCF)-mediated protein degradation. *Proc Natl Acad Sci USA* 108(35): 14694-9.

Germain H, Qu N, Cheng YT, Lee E, Huang Y, Dong OX, Gannon P, Huang S, Ding P, Li Y, Sack F, Zhang Y, Li X. (2010) MOS11: A New Component in the mRNA Export Pathway. *PLoS Genetics* 6(12):e1001250.

Zhang Y, Xu S, Ding P, Wang D, Cheng YT, He J, Gao M, Xu F, Li Y, Zhu Z, Li X, Zhang Y. (2010) Control of salicylic acid synthesis and systemic acquired resistance by two members of a plant-specific family of transcription factors. *Proc Natl Acad Sci USA* 107(42):18220-5.

Li Y, Li S, Bi D, Cheng YT, Li X, Zhang Y. (2010) SRFR1 negatively regulates plant NB-LRR resistance protein accumulation to prevent autoimmunity. *PLoS Pathogens* 6(9). pii: e1001111.

Zhu Z, Xu F, Zhang Y, Cheng YT, Wiermer M, Li X, Zhang Y. (2010) Arabidopsis resistance protein SNC1 activates immune responses through association with a transcriptional corepressor. *Proc Natl Acad Sci USA* 107(31):13960-5.

Bi D, Cheng YT, Li X, Zhang Y. (2010) Activation of plant immune responses by a gain-of-function mutation in an atypical receptor-like kinase. *Plant Physiology* 153(4):1771-9.

Wiermer M, Germain H, ChengYT, García AV, Parker JE and Li X. (2010) Nucleoporin MOS7/Nup88 contributes to plant immunity and nuclear accumulation of defense regulators. *Nucleus* 1(4): 332–336.

Cheng YT*, Germain H*, Wiermer M*, Bi D*, Xu F, García AV, Wirthmueller L, Després C, Parker JE, Zhang Y, Li X. (2009) Nuclear pore complex component MOS7/Nup88 is required for innate immunity and nuclear accumulation of defense regulators in Arabidopsis. *Plant Cell* 21(8):2503-16.
*equal contribution.

Gao M, Wang X, Wang D, Xu F, Ding X, Zhang Z, Bi D, Cheng YT, Chen S, Li X, Zhang Y. (2009) Regulation of cell death and innate immunity by two receptor-like kinases in Arabidopsis. *Cell Host & Microbe* 6(1):34-44.

Palma K, Zhao Q, Cheng YT, Bi D, Monaghan J, Cheng W, Zhang Y, Li X. (2007) Regulation of plant innate immunity by three proteins in a complex conserved across the plant and animal kingdoms. *Genes & Dev.* 21(12):1484-93.

Zhang Y, Cheng YT, Qu N, Zhao Q, Bi D, Li X. (2006) Negative regulation of defense responses in Arabidopsis by two NPR1 paralogs. *Plant Journal.* 48(5):647-56.

Zhang Y, Cheng YT, Bi D, Palma K, Li X. (2005) MOS2, a protein containing G-patch and KOW motifs, is essential for innate immunity in Arabidopsis thaliana. *Curr Biol.* 15(21):1936-42.