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教师简介

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教育背景

2015/02-2013/08, 韩国忠南国立大学(Chungnam National University), 生物科学学院 (Department of Biological Sciences), 植物系统生物学专业 (Plant Systems Biology), 博士

2009/09-2011/08, 韩国忠南国立大学, 生物科学学院, 植物系统生物学专业, 硕士

2005/09-2009/07, 沈阳农业大学, 园艺学院, 中草药栽培与鉴定, 学士

工作经历

2019/12-至今, 云南大学农学院, 副教授。主要从事大白菜花粉发育相关基因功能研究。

2015/08-至今, 云南大学农学院, 讲师。主要从事大白菜花粉发育相关基因功能研究。

2015/03 - 2015/07, 韩国忠南国立大学, 生物科学学院, 植物系统生物学专业, 博士后, 合作导师: Prof. Yoonkang Hur

研究方向

白菜花粉发育的分子机理; 白菜温度胁迫的应急机制。

代表论文和著作

- (1) Xiangshu Dong, Yuan Jiang, Yanan Yang, Ziwei Xiao, Xuehui Bai, Jing Gao, Shirui Tan, Yoonkang Hur, Shumei Hao*, and Feifei He*, Identification and Expression Analysis of the NAC Gene Family in *Coffea canephora*. *Agronomy* 2019, 9:670.
- (2) Xiangshu Dong, Yanan Yang, Ziyang Zhang, Ziwei Xiao, Xuehui Bai, Jing Gao, Yoonkang Hur, Shumei Hao and Feifei He*, Genome-Wide Identification of WRKY Genes and Their Response to Cold Stress in *Coffea canephora*. *Forests* 2019, 10:335.
- (3) Xiangshu Dong*, Yuan Jiang, and Yoonkang Hur*, Genome-Wide Analysis of Glycoside Hydrolase Family 1 β -glucosidase Genes in *Brassica rapa* and Their Potential Role in Pollen Development. *International Journal of Molecular Sciences* 2019, 20:1663.

- (4) Mingliang Jiang[#], **Xiangshu Dong**[#], Hong Lang, Wenxing Pang, Zongxiang Zhan, Xiaonan Li and Zhongyun Piao*, Mining of Brassica-Specific Genes (BSGs) and Their Induction in Different Developmental Stages and under *Plasmodiophora brassicae* Stress in *Brassica rapa*, 2018, International Journal of Molecular Sciences, 2018, 19, 2064.
- (5) Hayoung Song[#], **Xiangshu Dong**[#], Hankuil Yi, Ju Young Ahn, Keunho Yun, Myungchul Song, Ching-Tack Han and Yoonkang Hur*, Genome-Wide Identification and Characterization of Warming-Related Genes in *Brassica rapa* ssp. *Pekinensis*, 2018, International Journal of Molecular Sciences, 2018, 19, 1727.
- (6) **Xiangshu Dong**, Hankuil Yi, Ching-Tack, Ill-Sup Nou, AM Swaraz, Yoonkang Hur*, Genome-wide analysis of genes associated with bolting in heading type chinese cabbage, *Euphytica*, 2016, 212(1): 65-82.
- (7) **Xiangshu Dong**, Hankuil Yi, Ching-Tack Han, Ill-Sup Nou, Yoonkang Hur*, GDSL esterase/lipase genes in *Brassica rapa* L.: genome-wide identification and expression analysis, *Molecular Genetics and Genomics*, 2016, 291(2): 531-542.
- (8) **Xiangshu Dong**, Hankuil Yi, Jeongyeo Lee, Ill-Sup Nou, Ching-Tack Han*, Yoonkang Hur*, Global Gene-Expression Analysis to Identify Differentially Expressed Genes Critical for the Heat Stress Response in *Brassica rapa*, 2015, *PLoS One*, 10(6): e0130451.
- (9) **Xiangshu Dong**, Ill-Sup Nou, Hankuil Yi*, and Yoonkang Hur*, Suppression of *ASK3* (*AtSK32*), a clade III *Arabidopsis* GSK3, leads to the pollen defect during late pollen development, *Molecules and Cells*, 2015, 38(6): 506–517.
- (10) Hee-Jeong Jung[#], **Xiangshu Dong**[#], Jong-In Park, Senthil Kumar Thamilarasan, Sang Sook Lee, Yeon-Ki Kim, Yong-Pyo Lim, Ill-Sup Nou*, Yoonkang Hur*, Genome-wide transcriptome analysis of two contrasting *Brassica rapa* doubled haploid lines under cold-stresses using Br135K oligomeric chip, 2014, *PloS one*, 9(8): e106069.
- (11) **Xiangshu Dong**, Jeongyeo Lee, Ill-Sup Nou, Yoonkang Hur*, Expression characteristics of LSH genes in Brassica suggest their applicability for modification of leaf morphology and the use of their promoter for transgenesis, 2014, *Plant Breeding and Biotechnology*, 2(2): 126-138.
- (12) **Xiangshu Dong**, Su-Bin Im, Yong-Pyo Lim, Ill-Sup Nou, Yoonkang Hur*, Comparative transcriptome profiling of freezing stress responsiveness in two contrasting Chinese cabbage genotypes, Chiifu and Kenshin, 2014, *Genes & Genomics*, 36(2): 215-227.
- (13) **Xiangshu Dong**, Hui Feng, Ming Xu, Jeongyeo Lee, Yeon Ki Kim, Yong Pyo Lim, Zhongyun Piao, Young Doo Park, Hong Ma, Yoonkang Hur*, Comprehensive analysis of genic male sterility-related genes in *Brassica rapa* using a newly developed Br300K oligomeric chip, 2013, *PloS one*, 8(9): e72178.
- (14) **Xiangshu Dong**, Wan Kyu Kim, Yong-Pyo Lim, Yeon-Ki Kim, Yoonkang Hur*, Ogura-CMS in Chinese cabbage (*Brassica rapa* ssp. *pekinensis*) causes delayed expression of many nuclear genes, 2013, *Plant Science*, 199–200: 7-17.

在研项目

- 1 云南省科技厅项目-应用基础研究计划面上项目, 2017FB056、大白菜花粉发育相关孤基因 *Bra039133* 的表达分析与功能鉴定、2017/06–2020/05、10万、在研、主持。
- 2 国家自然科学基金-青年科学基金项目, 31601771、大白菜花粉发育相关的三个孤基因 (Orphan gene) 的表达分析与功能鉴定、2017/01–2019/12、20万、结题、主持。
- 3 云南省教育厅科学研究基金项目, 2016ZZX007、小粒咖啡 (*Coffea Arabica*) 绿原酸合成基因的进化、表达和功能分化研究、2016/07–2018/07、4万、在研、主持。

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