

# CURRICULUM VITAE

Personal Information			
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Position Title	Associate Professor in Entomology		
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Research Interest			
<p>Insects are believed to be the most plentiful biological resources in the world in regard to both species and biomass. People already accomplished a lot in usage of insect resources all over the world. However, in comparison with the huge resources insects can supply, there is still too much work to be done. In order to better understand insects at the molecular level and make use of these resources, our lab is interested in developing new molecular tools and technologies. We are now focusing on the following three projects:</p> <ol style="list-style-type: none"><li>1. Developing baculovirus as in vivo gene expression vector for insect gene function analysis.</li><li>2. Developing two-hybrid and one-hybrid system in insect cells for identifying protein-protein interaction, transcription factors, splicing factors, etc. in insect cells.</li><li>3. New Sterile Insect Technology.</li></ol>			
Professional Memberships			
Member of Hubei Entomological Society			
Other Roles			
Education & Working Experience			
Jan. 2011- Present Associate Professor, Department of Plant Protection, College of Plant Science and Technology			
Oct. 2006- Sep.2010, Ph.D., Department of Biology, Graduate School of Science, Osaka University, Japan			
Apr. 2005- Sep. 2006, Research student, Department of Medical Science, Graduate School of			

Medicin, Kobe University, Japan

Jan. 2004- Dec. 2004, Visiting Scholar, Neurosurgery Department, Kanazawa Medical University

Jul. 2001- Dec. 2003, Research Assistant, Laboratory of Cardiovascular diseases, Tongji Hospital, Huazhong University of Science and Technology

Sep. 1998- Jun. 2001, M.S., Graduate School of Life Science, Wuhan University, P.R.China

Sep. 1994- Jun. 1998, B.S., Department of Biology, Hunan Normal University, P.R.China

## Publications

1. Wang L-J., Zhou L-J., **Zhu Z-H.**, Ma W-H., Lei C-L. (2014) Differential Temporal Expression Profiles of Heat Shock Protein Genes in *Drosophila melanogaster* (Diptera: Drosophilidae) Under Ultraviolet A Radiation Stress, *Environmental Entomology* 43(5):1427-1434.
2. Zhou L-J., **Zhu Z-H.**, Liu Z-X., Ma, W-H., Desneux N., Lei C-L. (2013) Identification and Transcriptional Profiling of Differentially Expressed Genes Associated With Response to UVA Radiation in *Drosophila melanogaster* (Diptera: Drosophilidae), *Environmental Entomology* 42(5):1110-1117.
3. Sang W., Ma, W-H., Qiu L., **Zhu Z-H.**, Lei C-L. (2012) The involvement of heat shock protein and cytochrome P450 genes in response to UV-A exposure in the beetle *Tribolium castaneum*, *Journal of Insect Physiology* 58(6):830-836.
4. **Zhu Z-Z.**, Mori S., Oshiumita H., Matsuzaki K., Shinohara M., and Shinohara A. (2010) The cyclin-dependent kinase promotes formation of the synaptonemal complex in yeast meiosis. *Genes to Cells* 15(10):1036-1050.
5. Zhao C-X., Cui Y-H., **Zhu Z-H.**, Wang D-W (2004) Association between mutation of phospholamban gene and dilated cardiomyopathy. *Yi Chuan* 26 (5): 599-602.
6. Jiang J-G., Tang J-B., Chen C-L., Liu B-X., Fu X-N., **Zhu Z-H.**, Qu W., Cianflone K., Waalkes M.P., Wang D-W (2004) Expression of cyclooxygenase-2 in human esophageal squamous cell carcinomas. *World J Gastroenterol.* 10 (15): 2168-73.
7. Peng F., Zeng X-C., He X-H., Pu J., Li W-X., **Zhu Z-H.**, Liu H (2002) Molecular cloning and functional expression of a gene encoding an antiarrhythmia peptide derived from the scorpion toxin. *Eur J Biochem.* 269 (18): 4468-75.
8. Zeng X-C., **Zhu Z-H.**, Li W-X., Zhu S-Y., Peng F., Mao X., Liu H (2001) Molecular cloning and genomic organization of a K<sup>+</sup> channel toxin from the Chinese scorpion *Buthus martensii Karsch*. *Toxicon* 39 (2-3): 407-410.
9. Zeng X-C., Li W-X., Zhu S-Y., Peng F., **Zhu Z-H.**, Liu H., Mao X (2001) Molecular cloning and sequence analysis of cDNAs encoding a  $\beta$ -toxin-like peptide and MkTx I homologues from Scorpion *Buthus martensii Karsch*. *Toxicon* 39 (2-3): 225-232.
10. **Zhu Z-H.**, Zeng X-C., Wang S-H., Li W-X., Zhu S-Y (2001) Molecular Cloning and Analysis of the cDNA Sequence Encoding a Neutral Mammalian Neurtoxin from the Chinese Scorpion *Buthus martensii Karsch*. *Heredity* (Beijing) 23 (5): 431-434.
11. Zeng X-C., Li W-X., Peng F., **Zhu Z-H.** (2000) Cloning and Characterization of a Novel cDNA Sequence Encoding the Precursor of a Novel Venom Peptide (BmKbpp) Related to a Bradykinin-Potentiating Peptide from Chinese Scorpion *Buthus martensii Karsch*. *IUBMB Life* 49 (3): 207-210.
12. Zeng X-C., Li W-X., Zhu S-Y., Peng F., **Zhu Z-H.**, Wu K-L., Yang F-H. (2000) Cloning and characterization of a cDNA sequence encoding the precursor of a chlorotoxin-like peptide from the Chinese scorpion *Buthus martensii Karsch*. *Toxicon* 38 (8): 1009-1014.

## Additional Information