

Cook*, Jun Wang* and Da-Wei Huang*. 2013. Obligate mutualism within a host drives the extreme specialization of a fig wasp genome. **Genome Biology** 14:R141.

Guan-Hong Wang, Ling-Yi Jia, Jin-Hua Xiao*, Da-Wei Huang*. 2015. Discovery of a novel *Wolbachia* supergroup in cave spider species and the lateral transfer of phage WO among distant hosts. **Infection, Genetics and Evolution** 41 (2016) 1–7.

Guan-Hong Wang*, Bao-Fa Sun, Tuan-Lin Xiong, Yan-Kun Wang, Jin-Hua Xiao, Da-Wei Huang. 2015. Bacteriophage WO can mediate horizontal gene transfer in endosymbiotic *Wolbachia* genomes. (**Under Review**)

Honours & Awards

- 2016 Excellent Students Awards, University of Chinese Academy of Sciences
- 2015 Scholarship of Joint Ph.D. Training Program in Yale University
- 2015 Excellent Students Awards, University of Chinese Academy of Sciences
- 2014 National Scholarship for Graduate Students
- 2014 The National Virology Graduate Forum Awards, Wuhan Institute of Virology, University of Chinese Academy of Sciences
- 2014 Excellent Students Awards, University of Chinese Academy of Sciences
- 2014 Youth Science and Technology Outstanding Paper, Beijing Entomological Society
- 2013 Application Skills Certificate of Scientific Graphing, International Association of Scientific Visualization
- 2011 Pacesetter College Students, Henan Agricultural University
- 2010 Excellent Students Awards, College of Plant Protection
- 2010 Prize of Business Plan Competition (Host), College of Plant Protection
- 2009 National Scholarship for Undergraduate Students
- 2009 Excellent Students Awards, Henan Agricultural University
- 2009 Prize of Business Plan Competition (Host), College of Plant Protection
- 2009 Excellent Individual in Social Practice, College of Plant Protection
- 2008 National Scholarship for Undergraduate Students

Professional Skills

Techniques: DNA/RNA Extraction, PCR, hiTAIL-PCR, Real-Time Quantitative PCR, Cloning, Fluorescence in Situ Hybridization, ELISA, RNAi, CRISPR, Immunization, Fluorescence-Activated Cell Sorting, Western Blotting, Coomassie, Co-Immunoprecipitation, Insect / Mice Dissection, Cell Culture, Protein Purification, Molecular evolution, familiar with Python and Perl, etc.;

Specialized Softwares: Primer, MrBayes, PhyML, RAxML, MEGA, Protest, jModeltest, PAML, PartitionFinder, FASconCAT, Bioedit, Clustalx, FigTree, DAMBE, SAS, Origin, GraphPad Prism, Photoshop, etc.;

Selected Presentations

Guan-Hong Wang, Jin-Hua Xiao, Da-Wei Huang 2016. Phage function in symbiont and insect host. Harvard University, Boston, United States (Talk).

Guan-Hong Wang, Yang O. Zhao, Tyler Schleicher, Jing Yang, Erol Fikrig 2016. A mosquito protein facilitates *Plasmodium* sporozoite survival in the vertebrate host. Yale School of Public Health, New Haven, United States (Talk).

Guan-Hong Wang, Jin-Hua Xiao, Da-Wei Huang 2014. Sex-specific transcription of large proportion of genes in the only cryptic WO prophage genome in a fig wasp species. 8th International *Wolbachia* Conference, Innsbruck, Austria (Talk).

Guan-Hong Wang, Jin-Hua Xiao, Da-Wei Huang 2014. Bacteriophage, an important genetic vector player in the intracellular arena. The 3rd Session of the National Virology Graduate Forum, Wuhan, China (Talk).

Guan-Hong Wang, Jin-Hua Xiao, Da-Wei Huang 2014. Role of phage WO to *Wolbachia*, and even insect host. Graduate Forum, Beijing, China (Poster).