

## BIOGRAPHICAL SKETCH

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NAME Ying Song		POSITION TITLE Postdoc Research Associate	
eRA COMMONS USER NAME (credential, e.g., agency login)			
EDUCATION/TRAINING (Begin with baccalaureate or other initial professional education, such as nursing, and include postdoctoral training.)			
INSTITUTION AND LOCATION	DEGREE (if applicable)	YEAR(s)	FIELD OF STUDY
Yantai Normal University, Yantai, P.R.China	B.S.	2001	Biological Sciences
Institute of Hydrobiology, Chinese Academy of Sciences, Wuhan, P.R.China	Ph.D.	2006	Hydrobiology
Rice University, Houston, Texas, USA	Postdoc	2008-	Evolution

Please refer to the application instructions in order to complete sections A, B, and C of the Biographical Sketch.

### A. Positions and Honors.

#### Professional experience

08/2006 – 02/2007 - Research Assistant, Institute of Hydrobiology, Chinese Academy of Sciences, Wuhan, P.R.China

04/2008 – 08/2008 - Visiting Scientist, Dept. of Ecology & Evolutionary Biology, Rice University, USA

08/2008 – Postdoctoral Research Associate, Dept. of Ecology & Evolutionary Biology, Rice University, USA

#### Honors and Awards

2002 Third prize scholarship, Institute of Hydrobiology, Chinese Academy of Sciences

### B. Selected peer-reviewed publications (in chronological order).

1. **Song Y.**, Endepols S., Klemann N., Richter D., Matuschka F., Shih C., Nachman M. and Kohn M.H. 2011. Adaptive introgression of anticoagulant rodent poison resistance by hybridization between Old World mice. **Curr Biol** 21 (15), 1296-1301.
2. Diaz J.C., **Song Y.**, Moore A., Borchert J.N. and Kohn M.H. 2010. Analysis of *vkorc1* polymorphisms in Norway rats using the roof rat as outgroup. **BMC Genet** 11:43.
3. Zhu N.N., Gao Q., Li W.X., **Song Y.**, Yao W.J. and Nie P. 2010. Observation on three species of *Sinergasilus* (Copepoda: Ergasilidae) by scanning electron microscopy. **Acta Hydrobiologica Sinica** 34 (6), 1190-1192.
4. Peng G.X., Gao Q., **Song Y.**, Zhao Q.P., Luo Y.L. and Nie P. 2010. Mitochondrial genes of *Sinergasilus polycolpus* (copepoda,ergasilidae) parasitizing the gills of fish. **Acta Hydrobiologica Sinica** 34 (1), 177-183.
5. **Song Y.**, Vera N., and Kohn M.H. 2008. Vitamin K epoxide reductase complex subunit 1 (*Vkorc1*) haplotype diversity in mouse priority strains. **BMC Research Notes** 1:125.
6. **Song Y.**, Nie P., Wang G. T., Yao W. J., and Gao Q. 2008. Phylogeny of freshwater parasitic copepods in the Ergasilidae (Copepoda: Poecilostomatoida) based on 18S and 28S rDNA sequences. **Parasitol Res.** 102, 299-306.

7. **Song Y.**, Yao W. J., and Nie P. 2008. A new parasitic copepod *Ergasilus danjiangensis* n. sp. (Poecilostomatoida: Ergasilidae) on gills of two cyprinid fish *Opsariichthys bidens* and *Zacco platypus*. **Acta Zootaxonomica Sinica**. 33, 236-240.
8. Sun B. J., Xie H. X., **Song Y.**, and Nie P. 2007. Gene structure of an antimicrobial peptide from mandarin fish, *Siniperca chuatsi* (Basilewsky), suggests that moronecidins and pleurocidins belong in one family: the piscidins. **J Fish Dis**. 30, 335-343.
9. Sun B. J., Chang M. X., **Song Y.**, Yao W. J., and Nie P. 2007. Gene structure and transcription of IRF-1 and IRF-7 in the mandarin fish *Siniperca chuatsi*. **Vet Immunol Immunopathol**. 116, 26-36.
10. Gao Q., Chen M. X., Yao W. J., Gao Y., **Song Y.**, Wang G. T., Wang M. X., and Nie P. 2006. Phylogeny of diplozoids in five genera of the subfamily Diplozoinae Palombi, 1949 as inferred from ITS-2 rDNA sequences. **Parasitology**. 14, 1-9.
11. Chang M. X., Nie P., Liu G. Y., **Song Y.**, and Gao Q. 2005. Identification of immune genes in grass carp *Ctenopharyngodon idella* in response to infection of the parasitic copepod *Sinergasilus major*. **Parasitol Res**. 96, 224-229.
12. Luo H. Y., Nie P., Chang M. X., **Song Y.**, and Yao W. J. 2004. Characterization of development-related genes for the cestode *Bothriocephalus acheilognathi*. **Parasitol Res**. 94, 265-274.

### **Translations**

Liu Y. D., Bao S. S., and **Song Y.**, trans. 2002. *A Fishkeeper's Guide to the Healthy Aquarium* written by Neville Carrington (UK). China Agriculture Press, Beijing, China.