

BIOGRAPHICAL SKETCH

Provide the following information for the key personnel in the order listed for Form Page 2.
Follow the sample format for each person. **DO NOT EXCEED FOUR PAGES.**

NAME		POSITION TITLE	
Zhongming Zhao		Assistant Professor	
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
Zhejiang University	BSc	1991	Biology
Peking University	MSc	1996	Genetics
University of Texas at Houston	MSc	1998	Biomathematics
University of Texas at Houston	PhD	2000	Human Genetics
University of Houston	MSc	2002	Computer Science

A. Positions and Honors*Positions*

- 1993-1996 Graduate Research Assistant, Department of Cell Biology and Genetics, Peking University, Beijing, China
- 1996-2000 Graduate Research Assistant, Human Genetics Center, University of Texas at Houston, Houston, TX
- 2000-2001 Teaching Assistant, University of Houston, Houston, TX
- 2001-2003 Research Fellow, Human Genetics Center, University of Texas at Houston, Houston, TX
- 2002-2003 Post-doctoral Fellow, The W.M. Keck Center for Computational and Structural Biology, Gulf Coast Consortia in Rice University, W.M. Keck Foundation
- 2003 Faculty Associate, Human Genetics Center, University of Texas at Houston, Houston, TX
- 2003-present Assistant Professor, Department of Psychiatry and Center for the Study of Biological Complexity, Virginia Commonwealth University

Honors

- 1994-1995 Prathana Life Sciences Scholarship, Peking University, P.R. China
- 2002 Post-doctoral Fellowship for Computational and Structural Biology, W.M. Keck Foundation
- 2003 Post-doctoral Fellowship for Computational and Structural Biology, W.M. Keck Foundation (declined)

B. Selected Peer-Reviewed Publications

- Chen Y, Xu X, Zhao Z, Zhang W, Dai Z. Random amplified polymorphic DNA analysis of *Drosophila immigrans* geographic strains. (in Chinese) Acta Sci Nat 1997;33:215-221.
- Zhao Z, Hewett-Emmett D, Li W-H. Frequent gene conversion between human red and green opsin genes. J Mol Evol 1998;46:494-496.

3. Zhao Z, Jin L, Fu Y-X, Ramsay M, Jenkins T, Leskinen E, Pamilo P, Trexler M, Patthy L, Jorde LB, Ramos-Onsins S, Yu N, Li W-H. Worldwide DNA sequence variation in a 10 kb noncoding region on human chromosome 22. *Proc Natl Acad Sci USA* 2000;97:11354-11358 (cited over 57 times since publication).
4. Zhao Z, Lu J, Dai Z. Genetic differentiation within *Drosophila auraria* species complex revealed by Random Amplified Polymorphic DNA (RAPD) (in Chinese) *Acta Zool Sinica* 2001;47(6): 625-631.
5. Yu N, Zhao Z, Fu Y-X, Sambuughin N, Ramsay M, Jenkins T, Leskinen E, Patthy L, Jorde LB, Kuromori T, Li W-H. Global patterns of human DNA sequence variation in a 10-kb region on chromosome 1. *Mol Biol Evol* 2001;18:214-222.
6. Zhao Z, Boerwinkle E. Neighboring-nucleotide effects on single nucleotide polymorphisms: A study of 2.6 million polymorphisms across the human genome. *Genome Res* 2002;12:1679-1686.
7. Zhao Z, Fu Y-X, Hewett-Emmett D, Boerwinkle E. Single nucleotide polymorphism (SNP) density in the human genome and its implications for molecular evolution. *Gene* 2003;312:207-213.
8. Zhao Z, Li H, Wu X, Zhong Y, Zhang K, Zhang Y-P, Boerwinkle E, Fu, Y-X. Moderate mutation rate in the SARS coronavirus genome and its implications. *BMC Evol Biol* 2004; 4:21
9. Zhang F, Zhao Z The influence of neighboring-nucleotide composition on single nucleotide polymorphisms (SNPs) in the mouse genome and its comparison with human SNPs. *Genomics* (in press)

C. Research Support

Dr. Zhao is a new faculty hire as of September 1, 2003 and does not at this time have externally funded research support.