

**BIOGRAPHICAL SKETCH**

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| NAME<br>Ning Wang  |                           | POSITION TITLE<br>Postdoctoral Fellow |                                       |
|--|---------------------------|---------------------------------------|---------------------------------------|
| eRA COMMONS USER NAME<br>NINGWANG  |                           |                                       |                                       |
| EDUCATION/TRAINING (Begin with baccalaureate or other initial professional education, such as nursing, and include postdoctoral training.) |                           |                                       |                                       |
| INSTITUTION AND LOCATION   | DEGREE<br>(if applicable) | YEAR(s)                               | FIELD OF STUDY                        |
| Zhongshan University, Guangzhou, P.R.China   | B.Sc.                     | 1994                                  | Microbiology                          |
| Zhongshan University, Guangzhou, P.R.China   | M.Sc.                     | 1998                                  | Molecular biology                     |
| University of Massachusetts Amherst, MA  | Ph.D.                     | 2007                                  | Biochemistry and<br>molecular biology |
| Northwestern University  | Postdoc                   | 2007                                  |                                       |

A. Positions and Honors

## Professional Positions:

- Sep. 1998-Jul. 2001, Master's student, Department of Molecular Biology, Key Laboratory of Gene Engineering of the Ministry of Education, State Key Laboratory for Biocontrol, Zhongshan University, Guangzhou, P.R. China
- Sep. 2001-June 2007 Ph.D candidate, Department of Biochemistry and Molecular biology, University of Massachusetts Amherst, MA
- July 2007-present Postdoctoral Fellow, Department of Biochemistry, Molecular Biology and Cell Biology, Northwestern University, Evanston, IL

Awards:

- 2004: Travel Grant recipient, University of Massachusetts at Amherst
- 2001: Graduate student with highest honor, Excellence in Graduate study of Zhongshan University
- 2000: Research patent: Special nucleotide acid sequences and method of determining *Cordyceps sinensis*, patent number: 00114160.0
- 1999: Antai excellent graduate student award
- 1998 Admission to the graduate school with no mandatory tests required  
Excellence in undergraduate study of Zhongshan University
- 1997: Dubang excellent undergraduate student award
- 1995: Excellent undergraduate student scholarship

Presentations:

- Molecular phylogeny of relic *Ranodon sibiricus* and its related taxa at the 4th Asian Herpetological Conference, Chengdu, P.R. 2000
- Co-translational folding of tyrosinase in semi-permeabilized melanocytes at FASEB summer conference, Saxtons River, VT 2004

B. Publications:

Wang N, Glidden EJ, Murphy SR and Hebert DN. Co-translational folding, chaperone binding and oligomerization of a type II membrane protein *influenza* neuraminidase. (in preparation)

Wang N, Hebert DN. (2006) Tyrosinase maturation through the mammalian secretory pathway: bringing color to life. *Pigment Cell Res.* Feb; 19(1):3-18. Review.

Wang N, Daniels R and Hebert DN. (2005) The cotranslational maturation of the type I membrane glycoprotein tyrosinase: the heat shock protein 70 system hands off to the lectin-based chaperone system. *Mol Biol Cell.* Aug; 16(8):3740-52.

Francis E, Wang N, Parag H, Halaban R, Hebert DN. (2003) Tyrosinase maturation and oligomerization in the endoplasmic reticulum require a melanocyte-specific factor. *J Biol Chem.* Jul 11; 278(28):25607-17.

Chen YQ, Wang N, Zhou H, Qu LH, Yang LF, Lv HH and Qi YZ. (2002) Molecular identification and origin analysis on "red-tide" related *Phaeocystis* causative species. *Acta Oceanologica Sinica.* (24) 6:99-103.

Chen YQ, Wang N, Qu LH, Li T and Zhang W. (2001) Determination of the anamorph of *Cordyceps sinensis* inferred from the analysis of the ribosomal DNA internal transcribed spacers and 5.8S rDNA. *Biochem Syst Ecol.* Jun; 29(6):597-607.

Wang N, Chen YQ, Qu LH, Lv HH, Qi YZ. (2000) Analysis of 18SrRNA Gene from a "red-tide" related *phaeocystis* species in south china sea. *Acta Scientiarum Naturalium Universitatis Sunytseni.* 39(1):127-128.

Wang N, Chen YQ, Zhang WM, Li TH and Qu LH. (2000) Molecular Evidences Indicating Multiple Origins in the Entomogenous *Cordyceps*. *ACTA SCIENTIARUM NATURALIUM UNIVERSITATIS SUNYATSENI.* 39(4):70-73.

Qu LH, Wang XL, Chen YQ, Wang N and Zhou H. (1999) Molecular Characteristics and Evolutionary Biology of Relic *Ranodon sibiricus* (Amphibia)(□). *Acta Scientiarum Naturalium Universitatis Sunytseni.* 38(1):12-15.

Zhao J, Wang N, Chen YQ, Li TH, Qu LH. (1999) Molecular Identification for the Asexual Stage of *Cordyceps sinensis*. *Acta Scientiarum Naturalium Universitatis Sunytseni.* 38(1):121-123.