

Curriculum Vitae



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Education

- **Vanderbilt University**, December 2014-present
Postdoctoral Fellow, Advised by Dr. Antonis Rokas
- **Sun Yat-sen University**, September 2009 – July 2014
Ph.D. in Biochemistry and Molecular Biology, Advised by Dr. Peng Zhang
- **Hainan University**, September 2005–July 2009
B.S. in Biotechnology

Professional Service

Reviewer: BMC Evolutionary Biology, Bioinformatics, Molecular Ecology, Systematic Biology

Peer-reviewed Publications

1. Shi R., Mullins E.A., **Shen X.-X.**, Lay K.T., Yuen P.K., David S.S., Rokas A., Eichman B.F. 2017. Selective base excision repair of DNA damage by the non-base-flipping DNA glycosylase AlkC. *The EMBO J.*:1–12.
2. **Shen X.-X.**, Hittinger C. T., Rokas A. 2017. Contentious relationships in phylogenomic studies can be driven by a handful of genes. *Nature Ecology & Evolution* 1: 0126.
3. **Shen X.-X.**, Zhou X., Kominek J., Kurtzman C. P., Hittinger C. T., Rokas A. 2016. Reconstructing the backbone of the Saccharomycotina yeast phylogeny using genome-scale data. *G3: Genes | Genomes | Genetics*: 6: 3927-3939.
4. **Shen X.-X.**, Salichos L., Rokas A. 2016. A genome-scale investigation of how sequence-, function-, and tree-based gene properties influence phylogenetic inference. *Genome Biology Evolution* 8(8): 2565–2580.
5. **Shen X.-X.**, Liang D., Chen M.Y., Mao R.L., Wake D.B., Zhang P. 2016. Enlarged Multilocus Dataset Provides Surprisingly Younger Time of Origin for the Plethodontidae, the Largest Family of Salamanders. *Systematic Biology* 65(1): 66-81.
6. **Shen X.-X.**, Liang D., Feng Y.J., Chen M.Y., Zhang P. 2013. A Versatile and Highly Efficient Toolkit Including 102 Nuclear Markers for Vertebrate Phylogenomics, Tested by Resolving the Higher-level Relationships of the Caudata. *Molecular Biology and Evolution* 30(10): 2235-2248.
7. Liang D.*, **Shen X.-X.***, Zhang P. 2013. One Thousand Two Hundred Ninety Nuclear Genes from a Genome-Wide Survey Support Lungfishes as the Sister Group of Tetrapods. *Molecular Biology and Evolution* 30(8): 1803-1807. (* equal contribution)

8. **Shen X.-X.**, Liang D., Zhang P. 2012. The Development of Three Long Universal Nuclear Protein-Coding Locus Markers and Their Application to Osteichthyan Phylogenetics with Nested PCR. PLoS ONE 7(6): e39256.62.
9. **Shen X.-X.**, Liang D, Wen J.Z., Zhang P. 2011. Multiple Genome Alignments Facilitate Development of NPCL Markers: A Case Study of Tetrapod Phylogeny Focusing on the Position of Turtles. Molecular Biology and Evolution 28(12): 3237-3252.

Presentations

- **Shen X.-X.**, Liang D., Zhao Z.L., Zhang P. 2012. On the root of the salamander tree: evidence from 15 nuclear protein-coding locus markers. 5th Asian Herpetological Conference Proceedings, Chengdu. P48.
- **Shen X.-X.**, Zhang P. 2010. The Development of New Nuclear Markers and Their Application to the Phylogenetic Position of Turtles. Chinese Herpetological Conference Proceedings, Guilin. P36

Awards and Honors

- **The Second Prize for Excellent Graduate Students**, State Key Laboratory of Biocontrol, June 2014
- **National Scholarship for Doctoral Graduate Students**, Ministry of Education of the People's Republic of China, November 2013
- **Innovative Talents Foundation**, Sun Yat-sen University, August 2013– June 2014, 20,000 RMB
- **The Second Prize for Academic Excellence**, State Key Laboratory of Biocontrol, June 2013
- **National Scholarship for Doctoral Graduate Students**, Ministry of Education of the People's Republic of China, November 2012
- **The Second Prize for Excellent Graduate Students**, State Key Laboratory of Biocontrol, June 2012
- **Most Meritorious Oral Presentation**, Scientific Organizing Committee of the 5th Asian Herpetological Conference, June 2012
- **Excellent Graduate Students**, Sun Yat-sen University, November 2011
- **The First Prize for Academic Excellence**, State Key Laboratory of Biocontrol, June 2011
- **Collaboration Award**, State Key Laboratory of Biocontrol, June 2010
- **Merit Student**, Hainan University, September 2008
- **Outstanding Basketball Referees**, College of Agriculture, Hainan University, April 2008