Xiang Ji, **Ph.D.**
Department of Biomathematics
University of California, Los Angeles

A. Professional Preparation

Peking University, China	Physics	B.S. 2011
Peking University, China	Economics (Double Major)	B.S. 2011
North Carolina State University	Material Science and Engineering	M.S. 2013
North Carolina State University	Bioinformatics and Statistics	Ph.D. 2017

B. Awards

Tuition scholarship	SISMID[1]	2018
NIEHS Fellowship[2]	North Carolina State University	2015
Graduate Fellow	SAMSI[3]	2014
Tuition scholarship	SISG[4]	2013
University Graduate Fellowship	North Carolina State University	2011

C. Publications

- **Ji, X.**, Thorne, J. L. (2018) A phylogenetic approach disentangles the tract length and initiation rate of interlocus gene conversions. *in prep*.
- Zhou, W., **Ji, X.**, Obata, S., Pais, A., Dong, Y., Peet, R., Xiang, Q., (2018) Resolving relationships and phylogeographic history of the *Nyssa sylvatica* complex using data from RAD-seq and species distribution modeling. *Molecular Phylogenetic and Evolution,* 126, 1-16.
- **Ji, X.** (2017). Phylogenetic approaches for quantifying interlocus gene conversion. Doctoral Dissertation
- **Ji, X.**, Griffing, A., & Thorne, J. L. (2016). A phylogenetic approach finds abundant interlocus gene conversion in yeast. *Molecular Biology and Evolution*, 33(9), 2469-2476.
- Wang, K., Yu, S., **Ji, X.**, Lakner, C., Griffing, A., & Thorne, J. L. (2015). Roles of Solvent Accessibility and Gene Expression in Modeling Protein Sequence Evolution. *Evolutionary Bioinformatics online*, 11, 85.
- **Ji, X.** (2013). Laser Interference Lithography for Fabrication of Gas Sensors. Master Thesis
- Han, X., **Ji, X.**, Wen, H., & Zhang, J. (2012). H-shaped resonant optical antennas with slot coupling. *Plasmonics*, 7(1), 7-11.
- Xiao, G., **Ji, X.**, Gao, L., Wang, X., & Zhou, Z. (2012). Effect of dipole location on profile properties of symmetric surface plasmon polariton mode in Au/Al2O3/Au waveguide. *Frontiers of Optoelectronics*, 5(1), 63-67.

D. Synergistic Activities

- Professional service – I have reviewed manuscripts for *Molecular Biology and Evolution*.
- Software – My software for studying interlocus gene conversion is freely available at https://github.com/xji3/JGT_MBE_2016
- Outreach – I served as treasurer on the ASSIST[5] student leadership council in 2012 and 2013. I participated in the Magnet Fair at South Raleigh Magnet High School as an ASSIST center graduate representative in 2012.

[1] SISMID: Summer Institute in Statistics and Modeling in Infectious Diseases at University of Washington at Seattle
[2] The funds were matched through North Carolina State University
[3] SAMSI: The Statistical and Applied Mathematical Sciences Institute
[4] SISG: Summer Institute in Statistical Genetics at University of Washington at Seattle
[5] ASSIST: The Center for Advanced Self-Powered Systems of Integrated Sensors and Technologies