**Xiang Ji**, **Ph.D.**

**Department of Biomathematics**

**University of California, Los Angeles**

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| 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 |

A. Professional Preparation

B. Awards

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| Tuition scholarship | SISMID[[1]](#footnote-1) | 2018 |
| NIEHS Fellowship[[2]](#footnote-2) | North Carolina State University | 2015 |
| Graduate Fellow | SAMSI[[3]](#footnote-3) | 2014 |
| Tuition scholarship | SISG[[4]](#footnote-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]](#footnote-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 [↑](#footnote-ref-1)
2. The funds were matched through North Carolina State University [↑](#footnote-ref-2)
3. SAMSI: The Statistical and Applied Mathematical Sciences Institute [↑](#footnote-ref-3)
4. SISG: Summer Institute in Statistical Genetics at University of Washington at Seattle [↑](#footnote-ref-4)
5. ASSIST: The Center for Advanced Self-Powered Systems of Integrated Sensors and Technologies [↑](#footnote-ref-5)