**Xiang Ji**

**Ph.D. Candidate**

**Bioinformatics Research Center and Department of Statistics**

**North Carolina State University**

A. Professional Preparation

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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 | Ph.D., 2017(expected) |
| North Carolina State University | Statistics (Co-Major) | Ph.D., 2017(expected) |

B. Appointments

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| --- | --- | --- |
| Research Assistant | North Carolina State University | 2015-present |
| SAMSI Graduate Fellow[[1]](#footnote-1) | North Carolina State University | 2014 |
| Research Assistant | North Carolina State University | 2013 |
| Teaching Assistant | North Carolina State University | 2012 |
| Research Assistant | North Carolina State University | 2011 |

C. Publications

* **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 manuscript 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[[2]](#footnote-2) student leadership council in 2012 and 2013. I participated in the Magnet Fair at South Raleigh Magnet High School as ASSIST center graduate representative in 2012.

1. SAMSI: The Statistical and Applied Mathematical Sciences Institute [↑](#footnote-ref-1)
2. ASSIST: The Center for Advanced Self-Powered Systems of Integrated Sensors and Technologies [↑](#footnote-ref-2)