

## Lina Ma, PhD

Team Leader, Senior Bioinformatics & Biocuration Scientist  
BIG Data Center (BIGD)  
Beijing Institute of Genomics (BIG), Chinese Academy of Sciences (CAS)  
Email: malina@big.ac.cn



---

### PROFESSIONAL EXPERIENCE

- Assistant Professor, Beijing Institute of Genomics, Chinese Academy of Sciences (CAS), Beijing, China 2012.3–Present
- Assistant Professor, Zhoushan Hospital, Zhejiang, China 2010.7–2012.2

### EDUCATION

- Ph.D. in Bioinformatics, Beijing Institute of Genomics, Chinese Academy of Sciences (CAS), China, 2005.9–2010.7
- B.S. in Biotechnology, Ocean University of China, China, 2001.9–2005.7

### RESEARCH INTERESTS

- Function and Molecular Evolution of Non-coding RNA
- Big Data Integration and Analytics

### PROJECTS & RESOURCES

- ScienceWikis (a catalog of biological knowledge wikis and wiki extensions)
- Database Commons (a curated catalogue of biological databases)
- LncRNAWiki (a wiki-based database for community curation of human lncRNAs)
- LGC (characterization and identification of long non-coding RNAs based on feature relationship)

### REPRESENTATIVE PUBLICATIONS

1. **Ma L** as co-first author in BIG Data Center Members: Database Resources of the BIG Data Center in 2018. *Nucleic Acids Res* 2018, 46(D1):D14-D20.
2. **Ma L** as co-first author in BIG Data Center Members: The BIG Data Center: from deposition to integration to translation. *Nucleic Acids Res* 2017, 45(D1):D18-D24.
3. **Ma L** authored in The RNACentral Consortium: RNACentral: a comprehensive database of non-coding RNA sequences. *Nucleic Acids Res* 2017, 45(D1):D128-D134.
4. **Ma L**<sup>#</sup>, Li A<sup>#</sup>, Zou D, Xu X, Xia L, Yu J, Bajic VB, Zhang Z: LncRNAWiki: harnessing community knowledge in collaborative curation of human long non-coding RNAs. *Nucleic Acids Res* 2015, 43(Database issue):D187-192.
5. **Ma L**, Cui P, Zhu J, Zhang Z, Zhang Z: Translational selection in human: more pronounced in housekeeping genes. *Biol Direct* 2014, 9:17.
6. **Ma L**, Bajic VB, Zhang Z: On the classification of long non-coding RNAs. *RNA Biol* 2013, 10(6):925-933.
7. **Ma L**, Huang Y, Zhu W, Zhou S, Zhou J, Zeng F, Liu X, Zhang Y, Yu J: An integrated analysis of miRNA and mRNA expressions in non-small cell lung cancers. *PLoS One* 2011, 6(10):e26502.

## **ABSTRACT**

### **Database Commons: a catalog of biological databases**

Database Commons (<http://bigd.big.ac.cn/databasecommons>) is a manually curated catalogue of biological databases, which can make users easily access to a comprehensive collection of publicly available biological databases, and conveniently capture a specific collection of databases of interest, and also efficiently retrieve the popular or high-quality databases. From the points above, we believe that Database Commons can be served as both a valuable resource and a comprehensive search engine involving all biological fields. It benefits all users in selecting from all publicly available databases for their effective and efficient exploitation. We hope what we have done could promote dissemination and utilization of high-quality biological and biomedical data.