

Jing Jiang

Phone: 18965854386

Email: jingdefengye1314@126.com

Basic Information

Educational Experience

Ph.D 06/2019-12/2020: **The Ohio State University**

Major: Bioinformatics **Advisor:** Dr. Qin Ma

09/2016-05/2019: **Xiamen University**

Major: Aeronautical Engineering **Advisor:** Prof. Fei Xing

M.S. 06/2016-09/2013: **Harbin Medical University**

Major: Biophysics **Advisor:** Prof. Lina Chen

B.S. 06/2013-09/2008: **Harbin Medical University**

Major: Bioinformatics

Skills

1. Database analysis: GEO, STRING, DAVID, and GO etc.
2. Computer softwares: R/Rstudio, Matlab, perl, Linux system server, Adobe Illustrator, and Cytoscape etc.
3. Process and analysis of single-cell and bulk RNA-seq data.
4. Integrate multi-omics data through network propagation algorithm.

Reward

2013 The tenth HUAWEI cup national graduate students mathematics modeling

2019 Xiamen University Scholarship

2020 Xiamen University Scholarship

Experience

- Reviewer Computational Biology and Chemistry 2019-present
 - Peer reviewer for Nucleic Acids Research
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Journal Publications

1. **Jiang, J.**, Wang, C., Qi, R., Fu, H. & Ma, Q. scREAD: A Single-Cell RNA-Seq Database for Alzheimer's Disease. *iScience* 23, 101769, doi:10.1016/j.isci.2020.101769 (2020) (SCI, IF= 4.447, PMID:33241205).
2. **Jiang, J.**, F. Xing, X. Zeng, and Q. Zou. "Investigating maize yield-related genes in multiple omics interaction network data." *IEEE Trans Nanobioscience*. (2019). (SCI, IF= 2.791, PMID: 31170079)
3. **Jiang, J.**, F. Xing, C. Wang, X. Zeng, and Q. Zou. "Investigation and development of maize fused network analysis with multi-omics." *Plant Physiol Biochem*. (2019): 380-387. (SCI, IF= 3.72, PMID: 31220804)
4. Yu B., Qiu W., Chen C., Ma A., **Jiang J.**, Zhou H., and Ma Q. " SubMito-XGBoost: predicting protein submitochondrial localization by fusing multiple feature information and eXtreme gradient boosting." *Bioinformatics*. (2019). (SCI, IF= 5.61, PMID: 31603468)
5. Jing Zhao, Paige Hinton, Junyi Chen, and **Jing Jiang**. "Causal inference for the effect of environmental chemicals on chronic kidney disease." *Computational and Structural Biotechnology Journal*. (2019). (SCI, IF= 6.018)
6. **Jiang, J.**, F. Xing, C. Wang, and X. Zeng. "Identification and Analysis of Rice Yield-Related Candidate Genes by Walking on the Functional Network." *Front Plant Sci* 9 (2018): 1685. (SCI, IF= 4.402, PMID: 30524460)
7. **Jiang, J.**, F. Xing, X. Zeng, and Q. Zou. "Ricyerdb: A Database for Collecting Rice Yield-Related Genes with Biological Analysis." *Int J Biol Sci* 14, no. 8 (2018): 965-70. (SCI, IF= 4.858, PMID: 29989091)

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8. **Jiang, J.**, W. Li, B. Liang, R. Xie, B. Chen, H. Huang, Y. Li, Y. He, J. Lv, W. He, and L. Chen. "A Novel Prioritization Method in Identifying Recurrent Venous Thromboembolism-Related Genes." *PLoS One* 11, no. 4 (2016): e0153006. (SCI, IF= 2.74, PMID: 27050193)
 9. Xie, R., L. Li, L. Chen, W. Li, B. Chen, **J. Jiang**, H. Huang, Y. Li, Y. He, J. Lv, and W. He. "Identification of Potential Drug Targets Based on a Computational Biology Algorithm for Venous Thromboembolism." *Int J Mol Med* 39, no. 2 (2017): 463-71. (SCI, IF= 3.098, PMID: 28000840)
 10. Liu, Z., W. Li, J. Lv, R. Xie, H. Huang, Y. Li, Y. He, **J. Jiang**, B. Chen, S. Guo, and L. Chen. "Identification of Potential Copd Genes Based on Multi-Omics Data at the Functional Level." *Mol Biosyst* 12, no. 1 (2016): 191-204. (SCI, IF= 3.336, PMID: 26575263)
 11. Xie, R., H. Huang, W. Li, B. Chen, **J. Jiang**, Y. He, J. Lv, B. ma, Y. Zhou, C. Feng, L. Chen, and W. He. "Identifying Progression Related Disease Risk Modules Based on the Human Subcellular Signaling Networks." *Mol Biosyst* 10, no. 12 (2014): 3298-309. (SCI, IF= 3.336, PMID: 25315201)
 12. Li, W., L. Chen, W. Li, X. Qu, W. He, Y. He, C. Feng, X. Jia, Y. Zhou, J. Lv, B. Liang, B. Chen, and **J. Jiang**. "Unraveling the Characteristics of Microrna Regulation in the Developmental and Aging Process of the Human Brain." *BMC Med Genomics* 6 (2013): 55. (SCI, IF= 2.57, PMID: 24321625)
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