

Ren Qi

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Education

12/2019-present	Ohio State University	Bioinformatics	Visiting Scholar
09/2018-present	Tianjin University	Computer Science & Technology	Ph.D
09/2016-09/2018	Tianjin University	Computer Science & Technology	M.S.
09/2012-06/2016	Nanjing University of Information Science & Technology	Information Technology	B.S.

Current Research Interests

- String kernels construction and fusion in bioinformatics
- Clustering and classification analysis for single-cell RNA-seq data
- Deep transfer learning for drug sensitivity on single-cell RNA-seq data

Professional Memberships & Honors

- 2019 Reviewer, IEEE International Conference on Bioinformatics and Biomedicine
- 2020 Review Editor, Bioinformatics and Computational Biology
- 2020 Reviewer, BMC Bioinformatics
- 2020 Reviewer, Computational Biology and Chemistry
- 2020 Reviewer, Frontiers of Computer Science
- 2020 Reviewer, IEEE Access
- 2020 Reviewer, BioMed Research International
- 2020 Reviewer, Scientific Reports

Publications (*Co-first authors)

- **Ren Qi***, Jin Wu*, Fei Guo, Lei Xu, Quan Zou. A Spectral Clustering with Self-weighted Multiple Kernel Learning Method for single-cell RNA-seq Data. Briefings in Bioinformatics, 2020.
- **Ren Qi**, Anjun Ma, Qin Ma, Quan Zou. Clustering and Classification Methods for Single-cell RNA-sequencing Data. Briefings in Bioinformatics. 2020, 21(4): 1196-1208
- Pengfei Zhu, **Ren Qi**, Qinghua Hu, et al. Beyond Similar and Dissimilar Relations: A Kernel Regression Formulation for Metric Learning. Twenty-Seventh International Joint Conference on Artificial Intelligence (IJCAI), 2018, doi:10.24963/ijcai.2018/450.
- **Ren Qi**, Pengfei Zhu, Jianqing Liang. Multiple kernel geometric mean metric learning for heterogeneous data. Journal of Software, 2017,28(11):2992–3001. **Best Student Paper Award**
- Bin Yu, Chen Chen, **Ren Qi**, Ruiqing Zheng, Patrick J. Lawrence, Xiaolin Wang, Anjun Ma, Haiming Gu, Qin Ma. scGMAI: a Gaussian mixture model for clustering single-cell RNA-Seq data based on deep autoencoder. **Briefings in Bioinformatics**, 2020, doi:10.1093/bib/bbaa316.
- Jing Jiang*, Cankun Wang*, **Ren Qi**, Hongjun Fu, Qin Ma. scREAD: A single-cell RNA-Seq database for Alzheimer's Disease. **iScience**, 2020.

Positions and Honors

06/2018	Excellent graduation thesis, Tianjin University
10/2017	Best student paper, CCML 2017
09/2014-06/2016	President of the Association for Scientific Research, Nanjing University of Information Science & Technology
10/2013	National Encouragement Scholarship
10/2014	National Encouragement Scholarship