Zhaoqian Liu

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Education

05/2019-present	Ohio State University	Bioinformatics	Visiting Scholar
09/2018-present	Shandong University	Operations Research & Control Theory	Ph.D
09/2016-09/2018	Shandong University	Applied Mathematics	M.S.
09/2012-06/2016	Qingdao University of Science & Technology	Mathematics & Applied Mathematics	B.S.

Current Research Interests

- Elucidation and application of organizing principles of bacterial genomes
- Metagenomics and metatranscriptomics data analysis in microbes
- Computational analysis and modeling of human-microbiome interaction

Professional Memberships & Honors

2020	Reviewer, Nucleic Acids Research
2020	Reviewer, Science Advances
2020	Reviewer, Research Grants Council Proposal
2020	Reviewer, Bioinformatics
2019	Reviewer, Microbiome
2019	Reviewer, BMC Genomics

Publications (*Co-first authors)

- **Zhaoqian Liu**, Jingtong Feng, Bin Yu, Qin Ma, Bingqiang Liu. The functional determinants in the organization of bacterial genomes. Briefings in Bioinformatics. 2020. https://doi.org/10.1093/bib/bbaa172.

- **Zhaoqian Liu***, Anjun Ma*, Ewy Mathé, Marlena Merling, Qin Ma, Bingqiang Liu. Network analyses in microbiome based on high-throughput multi-omics data. Briefings in Bioinformatics. 2020. https://doi.org/10.1093/bib/bbaa005.

- Ying Li, Qi Zhang, **Zhaoqian Liu**, Cankun Wang, Siyu Han, Qin Ma, Wei Du. Deep forest ensemble learning for classification of alignments of non-coding RNA sequences based on multi-view structure representations. Briefings in Bioinformatics.

- Ying Li, Jianing Zhao, **Zhaoqian Liu**, Cankun Wang, Lizheng Wei, Siyu Han and Wei Du. De-novo prediction of moonlighting proteins using multimodal deep ensemble learning. Frontiers in Genetics.

- Mengting Niu*, Jun Zhang*, Yanjuan Li, Cankun Wang, **Zhaoqian Liu**, Hui Ding, Quan Zou, Qin Ma. CirRNAPL: A web server for the identification of circRNA based on extreme learning machine. Computational and Structural Biotechnology Journal. 2020. https://doi.org/10.1016/j.csbj.2020.03.028.

Positions and Employment

06/2019	Marker of Mathematics for the 2018 National College Entrance Examination
11/2017	Volunteer Teacher, Shandong University
09/2016-06/2017	Teaching Assistant, Shandong University