CURRICULUM VITAE

YANSHI HU, M.S., Ph.D. Candidate

Department of Bioinformatics, State Key Laboratory of Plant Physiology and Biochemistry
College of Life Sciences, Zhejiang University
866 Yuhangtang Road, Hangzhou 310058, P. R. China
Email: yanshihu@zju.edu.cn
Phone: (86) 188-8895-0980
Website: yanshihu.github.io

EDUCATION

ZHEJIANG UNIVERSITY, SCHOOL OF LIFE SCIENCES — Hangzhou, Zhejiang, P. R. China
Doctor of Philosophy in Bioinformatics — 2017 -

TIANJIN MEDICAL UNIVERSITY, SCHOOL OF BIOMEDICAL ENGINEERING — Tianjin, P. R. China
Master of Science in Biomedical Engineering — 2013 - 2016

TAISHAN MEDICAL UNIVERSITY, DEPARTMENT OF RADIOLOGY — Taian, Shandong, P. R. China
Bachelor of Science in Biomedical Engineering — 2009 - 2013

EXPERIENCE

TIANJIN MEDICAL UNIVERSITY, SCHOOL OF BIOMEDICAL ENGINEERING — Tianjin, China
Research Assistant — July 2016 - May 2017

ACADEMIC HONORS AND AWARDS

Bioinformatics Society of Zhejiang Province of China, membership, 2017-
Zhejiang University First-Class Scholarship for Doctoral Mid-term Examination (¥20,000), 2018
Zhejiang University Award of Honor for Graduate, 2018
Zhejiang University Excellent Doctoral Freshman Scholarship (¥10,000), 2017
The Sixth National Conference on Bioinformatics & Systems Biology of China, Second-Class Prize for Excellent Poster, 2014
Taishan Medical University Second-Class Scholarship, 2011
Taishan Medical University Third-Class Scholarship, 2010

JOURNAL PEER REVIEW

IEEE/ACM Transactions on Computational Biology and Bioinformatics (2016 IF = ***2.428***)
Computational Biology and Chemistry (2016 IF = ***1.412***)
Current Bioinformatics (IF = ***0.627***)

JOURNAL PUBLICATIONS

1. T Wang, P Song, T Zhong, X Wang, X Xiang, Q Liu, H Chen, T Xia, H Liu, Y Niu, **Y Hu**, L Xu, Y Shao, L Zhu, H Qi, J Shen, T Hou, R Fodde*, J Shao* (Accepted). The inflammatory cytokine IL-6 induces FRA1 deacetylation promoting colorectal cancer stemness and malignancy. *Oncogene, 2019*. (IF = ***6.933***)
2. **YS Hu,** J Xin, Y Hu, L Zhang*, J Wang*. Analyzing the genes related to Alzheimer's disease via a network and pathway-based approach. *Alzheimer's Research & Therapy*, 2017, 9(1): 29. PubMed PMID: 28446202. DOI: 10.1186/s13195-017-0252-z. (IF = ***6.206***)

3. **Y Hu,** Z Pan, Y Hu, L Zhang*, J Wang*. Network and Pathway-Based Analyses of Genes Associated with Parkinson's Disease. *Molecular Neurobiology*, 2017, 54(6):4452-4465. PubMed PMID: 27349437. DOI: 10.1007/s12035-016-9998-8. (IF = ***6.190***)
4. Y Hu, Y Yang, Z Fang, **YS Hu**, L Zhang*, J Wang*. Detecting pathway relationship in the context of human protein-protein interaction network and its application to Parkinson's disease. *Methods*, 2017, 131:93-103. PubMed PMID: 28790017. DOI: 10.1016/j.ymeth.2017.08.001. (IF = ***3.998***)
5. Z Fang, Y Yang, **Y Hu**, MD Li*, J Wang*. GRONS: a comprehensive genetic resource of nicotine and smoking. *Database*, 2017, Volume 2017, 1 January 2017, bax097. PubMed Central PMCID: PMC5750854. DOI: 10.1093/database/bax097. (IF = ***3.978***)
6. Y Zhou, J Xue, MA Ahsan, D Hu, **Y Hu**, Y Jiang, M Chen* (Submitted to *Nucleic Acids Research* Webserver Issue). CytoSEE: a web-based toolkit for automatic computation and evaluation of cytometry data. (IF = ***11.561***)
7. **YS Hu***, Z Fang, Y Niu, J Wang*, M Chen* (In preparation). A systems biology framework identifies latent molecular relationships between Alzheimer's disease and Parkinson's disease.

CONFERENCE PAPERS OR ABSTRACTS

1. **Y Hu***, J Wang*, M Chen. Analyzing the genes related to Alzheimer's disease via a network and pathway-based approach. DOI: 10.18699/WIBSB-2018-28. *Integrative Bioinformatics and Systems Biology (WIBSB-2018), First Sino-Russian Workshop*, Novosibirsk, Russia, (2018).
2. **Y Hu**, Z Pan, Y Hu, J Wang*. Network and pathway based analyses of genes associated with Parkinson's disease. *The Seventh National Conference on Bioinformatics & Systems Biology and International Workshop on Advanced Bioinformatics & Precision Medicine*, Chengdu, China, (2016).
3. Y Hu, **Y Hu**, Y Yang, Z Fang, J Wang*. Uncovering the common pathogenesis in neurodegenerative and psychiatric disorder via network approaches. *The Seventh National Conference on Bioinformatics & Systems Biology and International Workshop on Advanced Bioinformatics & Precision Medicine*, Chengdu, China, (2016).
4. Z Fang, Y Yang, Y Hu, **Y Hu**, J Wang*. Identifying the enriched biological pathways in genes related to nicotine dependence via a network-based gene-weighting algorithm. *The Seventh National Conference on Bioinformatics & Systems Biology and International Workshop on Advanced Bioinformatics & Precision Medicine*, Chengdu, China, (2016).
5. **Y Hu**, R Fan, X Li, M Liu, X Liu, X Yi, T Zhang, J Wang*. Common characteristics of Alzheimer's disease and Parkinson's disease based on AlzGene and PDGene databases. *The Sixth National Conference on Bioinformatics & Systems Biology and International Workshop on Advanced Bioinformatics*, Nanjing, China, (2014).
6. X Liu, X Li, M Liu, R Fan, **Y Hu**, Y Hu, X Yi, T Zhang, J Wang*. Computing the phenotype similarity based on OMIM database and MESH vocabulary. *The Sixth National Conference on Bioinformatics & Systems Biology and International Workshop on Advanced Bioinformatics*, Nanjing, China, (2014).
7. X Li, M Liu, X Liu, R Fan, **Y Hu**, Y Hu, X Yi, T Zhang, J Wang*. TarPriGO: a new method to prioritize miRNA targets based on Gene Ontology. *The Sixth National Conference on Bioinformatics & Systems Biology and International Workshop on Advanced Bioinformatics*, Nanjing, China, (2014).
8. M Liu, X Liu, X Li, R Fan, **Y Hu**, Y Hu, X Yi, T Zhang, J Wang*. A comprehensive pathway and network analysis of candidate genes associated with nicotine addiction. *The Sixth National Conference on Bioinformatics & Systems Biology and International Workshop on Advanced Bioinformatics*, Nanjing, China, (2014).
9. R Fan, M Liu, X Li, X Liu, **Y Hu**, Y Hu, X Yi, T Zhang, J Wang*. The functional divergence analysis of neuronal nicotinic acetylcholine receptor subunits. *The Sixth National Conference on Bioinformatics &*

Systems Biology and International Workshop on Advanced Bioinformatics, Nanjing, China, (2014).

POSTERS

1. **Y Hu**, Z Pan, Y Hu, and J Wang. Network and pathway based analyses of genes associated with Parkinson's disease. *The Seventh National Conference on Bioinformatics & Systems Biology and International Workshop on Advanced Bioinformatics & Precision Medicine*, Chengdu, China, (2016).
2. **Y Hu**, R Fan, X Li, M Liu, X Liu, X Yi, T Zhang and J Wang. Common characteristics of Alzheimer's disease and Parkinson's disease based on AlzGene and PDGene databases. *The Sixth National Conference on Bioinformatics and Systems Biology and International Workshop on Advanced Bioinformatics*, Nanjing, China, (2014).