CURRICULUM VITAE

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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 Certificate of Honor for Outstanding Graduate Students, 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 (¥400), 2014
Taishan Medical University Second-Class Scholarship for the 2010-2011 School Year, 2011
Taishan Medical University Third-Class Scholarship for the 2009-2010 School Year, 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. **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***)
2. **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***)
3. 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***)

4. 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. DOI: 10.1093/database/bax097. (IF = ***3.978***).
5. T Wang, P Song, T Zhong, X Xiang, Q Liu, X Wang, 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* (Submitted to *EBioMedicine*). The inflammatory cytokine IL-6 induces FRA1 deacetylation promoting colorectal cancer stemness and malignancy. EBioMedicine. (IF = ***6.183***)
6. **YS Hu***, Z Fang, J Wang*, M Chen* (In preparation to *Genome Medicine*, *Cell Systems* or *BMC Medicine*). 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 nework 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).