

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

- 2017- **Doctor of Philosophy in Bioinformatics**
Zhejiang University, Hangzhou, China
- 2013-2016 **Master of Science in Biomedical Engineering**
Tianjin Medical University, Tianjin, China
- 2009-2013 **Bachelor of Science in Biomedical Engineering**
Shandong First Medical University / Taishan Medical University, Taian, China

EXPERIENCE

- 2016-2017 **Research Assistant**
School of Biomedical Engineering, Tianjin Medical University, Tianjin, China

ACADEMIC HONORS & AWARDS

- 2017- Bioinformatics Society of Zhejiang Province of China, membership
- 2019 Zhejiang University Award of Honor for Graduate
- 2018 Zhejiang University First-Class Scholarship for Doctoral Mid-term Examination (¥20,000)
- 2018 Zhejiang University Award of Honor for Graduate
- 2017 Zhejiang University Excellent Doctoral Freshman Scholarship (¥10,000)
- 2017 Certificate of Reviewing for *Computational Biology and Chemistry*
- 2014 The Sixth National Conference on Bioinformatics & Systems Biology of China,
Second-Class Prize for Excellent Poster
- 2011 Shandong First Medical University & Shandong Academy of Medical Sciences,
Second-Class Scholarship
- 2010 Shandong First Medical University & Shandong Academy of Medical Sciences,
Third-Class Scholarship

JOURNAL PEER REVIEW

- Bioinformatics (IF = **9.853**)
- Molecular Neurobiology (IF = **4.519**)
- Science China-Life Sciences (IF = **4.611**)
- IEEE/ACM Transactions on Computational Biology and Bioinformatics (IF = **3.015**)
- Computational Biology and Chemistry (IF = **1.850**)
- Current Bioinformatics (IF = **2.068**)

JOURNAL PUBLICATIONS

1. W Wu, Y Wu, D Hu, Y Zhou, **Y Hu**, Y Chen, M Chen*. PncStress: a manually curated database of experimentally validated stress-responsive non-coding RNAs in plants. *Database*, 2020, Volume 2020, baaa001. PubMed Central PMCID: PMC7078067. DOI: 10.1093/database/baaa001. (IF = **3.978**)
2. 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*. The inflammatory cytokine IL-6 induces FRA1 deacetylation promoting colorectal cancer stemness and malignancy. *Oncogene*, 2019, 38:4932-4947. PubMed PMID: 30804456. DOI: 10.1038/s41388-019-0763-0. (IF = **7.971**)
3. **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 = **7.114**)
4. **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**)
5. 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 = **4.061**)
6. Z Fang, Y Yang, **Y Hu**, MD Li*, J Wang*. GRONS: a comprehensive genetic resource of nicotine and smoking. *Database*, 2017, Volume 2017, bax097. PubMed PMID: 31725863. PubMed Central PMCID: PMC5750854. DOI: 10.1093/database/bax097. (IF = **3.978**)
7. Y Zhou, **Y Hu**, D Hu, C Feng, MA Ahsan, Y Liu, T Ling, S Li, X Yang, R Hofestädt, M Chen* (*Submitted*). DaTo: a repertoire dedicated to biological online resources. *Bioinformatics*, 2021 (IF = **9.853**)
8. Y Zhou, J Xue, MA Ahsan, D Hu, **Y Hu**, Y Liu, Y Jiang, W Ni, M Chen* (*To Be Submitted*). CytoSEE: a web-based toolkit for automatic computation and evaluation of cytometry data.
9. **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. *First Sino-Russian Workshop on Integrative Bioinformatics and Systems Biology (WIBSB-2018)* @ Novosibirsk, Russia
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 and Systems Biology* @ Chengdu, China
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 and Systems Biology* @ Chengdu, China
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 and Systems Biology* @ Chengdu, China
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 and Systems Biology* @ Nanjing, China
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 and Systems Biology* @ Nanjing, China
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 and Systems Biology* @ Nanjing, China

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 and Systems Biology* @ Nanjing, China
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 and Systems Biology* @ Nanjing, China

ACADEMIC TALKS

- 09/2019 Zhejiang University-Bielefeld University Joint Symposium @ Bielefeld, Germany
- 08/2018 First Sino-Russian Workshop on Integrative Bioinformatics and Systems Biology (WIBSB-2018) @ Novosibirsk, Russia

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 and Systems Biology* @ Chengdu, China
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* @ Nanjing, China