CURRICULUM VITAE

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

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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

Science China-Life Sciences (IF = ***10.372***)
Bioinformatics (IF = ***8.778***)
Molecular Neurobiology (IF = ***5.682***)
Frontiers in Neuroscience (IF = ***5.582***)
Current Bioinformatics (IF = ***4.850***)
Frontiers in Neurology (IF = ***4.321***)
Computational Biology and Chemistry (IF = ***3.737***)

IEEE/ACM Transactions on Computational Biology and Bioinformatics (IF = ***3.702***)

JOURNAL PUBLICATIONS

1. Y Chen[#], **YS Hu**[#], X Hu, C Feng, M Chen*. CoGO: a contrastive learning framework to predict disease similarity based on gene network and ontology structure. ***Bioinformatics***, 2022, btac520. ([#] co-first author) (IF = ***8.778***)
   DOI: 10.1093/bioinformatics/btac520
2. H Chen, X Hu, **YS Hu**, J Zhou, M Chen*. CoVM^2: Molecular Biological Data Integration of SARS-CoV-2 Proteins in a Macro-to-Micro Method. ***Biomolecules***, 2022, 12(8):1067. (IF = ***6.191***)
   DOI: 10.3390/biom12081067
3. B Tan, S Xin, **YS Hu**, C Feng*, M Chen*. LBD: a manually curated database of experimentally validated lymphoma biomarkers. ***Database***, 2022, Volume 2022, baac051. (IF = ***4.776***)
   DOI: 10.1093/database/baac051
4. WY Wu, Y Wu, DH Hu, YC Zhou, **YS Hu**, YJ Chen, M Chen*. PncStress: a manually curated database of experimentally validated stress-responsive non-coding RNAs in plants. ***Database***, 2020, Volume 2020, baaa001. (IF = ***4.776***)
   DOI: 10.1093/database/baaa001
5. TY Wang, P Song, TT Zhong, XJ Wang, XP Xiang, Q Liu, HY Chen, T Xia, H Liu, YM Niu, **YS Hu**, L Xu, YK Shao, LJ Zhu, HY Qi, J Shen, TJ Hou, R Fodde*, JM Shao*. The inflammatory cytokine IL-6 induces FRA1 deacetylation promoting colorectal cancer stemness and malignancy. ***Oncogene***, 2019, 38:4932-4947. (IF = ***9.273***)
   DOI: 10.1038/s41388-019-0763-0
6. **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. (IF = ***9.037***)
   DOI: 10.1186/s13195-017-0252-z
7. **YS 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. (IF = ***5.682***)
   DOI: 10.1007/s12035-016-9998-8
8. Y Hu, YC Yang, ZH 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. (IF = ***4.957***)
   DOI: 10.1016/j.ymeth.2017.08.001
9. ZH Fang, YC Yang, **YS Hu**, MD Li*, J Wang*. GRONS: a comprehensive genetic resource of nicotine and smoking. ***Database***, 2017, Volume 2017, bax097. (IF = ***4.776***)
   DOI: 10.1093/database/bax097
10. TY Ling, YC Zhou, CF Xu, XT Shao, **YS Hu**, KF Ding*, M Chen* (*To Be Submitted*). Colorectal cancer computer-aided image analysis: the teenager in the new era of deep learning. ***Briefings in Bioinformatics***, 2022 (IF = ***13.994***)
11. Y Zhou, **YS Hu**, D Hu, C Feng, MA Ahsan, Y Liu, T Ling, S Li, X Yang, R Hofestädt, M Chen* (*To Be Submitted*). DaTo: a repertoire dedicated to biological online resources. ***Bioinformatics***, 2022 (IF = ***8.778***)
12. YC Zhou, JT Xue, MA Ahsan, DH Hu, **YS Hu**, Y Liu, Y Jiang, W Ni, M Chen* (*In Preparation*). CytoSEE: a web-based toolkit for automatic computation and evaluation of cytometry data.
13. **YS Hu***, ZH Fang, YM Niu, J Wang*, M Chen* (*In Preparation*). A systems biology framework identifies latent molecular relationships between Alzheimer's 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. ***First Sino-Russian Workshop on Integrative Bioinformatics and Systems Biology (WIBSB-2018)*** @ Novosibirsk, Russia
   DOI: 10.18699/WIBSB-2018-28
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
   Availability: ResearchGate Link
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
   Availability: ResearchGate Link
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
   Availability: ResearchGate Link
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
   Availability: ResearchGate Link
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
   Availability: ResearchGate Link
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
   Availability: ResearchGate Link
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
   Availability: ResearchGate Link
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
   Availability: ResearchGate Link

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
   DOI: 10.13140/RG.2.2.20162.27844
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
DOI: 10.13140/RG.2.2.14971.82725