

CURRICULUM VITAE



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

Department of Bioinformatics, State Key Laboratory of Plant Physiology and Biochemistry

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EDUCATION

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| 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

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| 2016-2017 | Research Assistant
School of Biomedical Engineering, Tianjin Medical University, Tianjin, China |
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ACADEMIC HONORS & AWARDS

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| 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 <i>Computational Biology and Chemistry</i> |
| 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

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- 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

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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.jymeth.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