

# CURRICULUM VITAE



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

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## **EDUCATION**

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

## **EXPERIENCE**

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| 2016-2017 | <b>Research Assistant</b><br>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,<br>Second-Class Prize for Excellent Poster |
| 2011  | Shandong First Medical University / Taishan Medical University,<br>Second-Class Scholarship                            |
| 2010  | Shandong First Medical University / Taishan Medical University,<br>Third-Class Scholarship                             |

## **JOURNAL PEER REVIEW**

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- IEEE/ACM Transactions on Computational Biology and Bioinformatics (IF = **2.896**)  
Computational Biology and Chemistry (IF = **1.581**)  
Current Bioinformatics (IF = **1.189**)

## **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. 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 = **6.933**)
  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 = **7.072**)
  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 = **3.998**)
  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, M Chen\* (*Submitted*). Charting the evolving landscape of biological online resources by DaTo. *Nucleic Acids Research*, 2020 (IF = **11.147**)
  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

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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

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- 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

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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