



## Xiaoxia Liu

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### Bio

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#### STANFORD ADVISORS

- Zihuai He, Postdoctoral Faculty Sponsor

### Publications

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#### PUBLICATIONS

- **MAFN: multi-level attention fusion network for multimodal named entity recognition** *MULTIMEDIA TOOLS AND APPLICATIONS*  
Zhou, X., Zhang, Y., Wang, Z., Lu, M., Liu, X.  
2023
- **Improving genetic risk prediction across diverse population by disentangling ancestry representations.** *Communications biology*  
Gyawali, P. K., Le Guen, Y., Liu, X., Belloy, M. E., Tang, H., Zou, J., He, Z.  
2023; 6 (1): 964
- **GhostKnockoff inference empowers identification of putative causal variants in genome-wide association studies.** *Nature communications*  
He, Z., Liu, L., Belloy, M. E., Le Guen, Y., Sossin, A., Liu, X., Qi, X., Ma, S., Gyawali, P. K., Wyss-Coray, T., Tang, H., Sabatti, C., Candes, et al  
2022; 13 (1): 7209
- **A supervised protein complex prediction method with network representation learning and gene ontology knowledge.** *BMC bioinformatics*  
Wang, X., Zhang, Y., Zhou, P., Liu, X.  
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- **A Scalable Embedding Based Neural Network Method for Discovering Knowledge From Biomedical Literature** *IEEE-ACM TRANSACTIONS ON COMPUTATIONAL BIOLOGY AND BIOINFORMATICS*  
Sang, S., Liu, X., Chen, X., Zhao, D.  
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- **KGSG: Knowledge Guided Syntactic Graph Model for Drug-Drug Interaction Extraction**  
Du, W., Zhang, Y., Yang, M., Liu, D., Liu, X., Sun, M., Qi, G., Liu, K., Ren, J., Xu, B., Feng, Y., Liu, Y., Chen, et al  
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- **Geometric resistant polar quaternion discrete Fourier transform and its application in color image zero-hiding.** *ISA transactions*  
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- **Genome-wide analysis of common and rare variants via multiple knockoffs at biobank scale, with an application to Alzheimer disease genetics.** *American journal of human genetics*  
He, Z., Le Guen, Y., Liu, L., Lee, J., Ma, S., Yang, A. C., Liu, X., Rutledge, J., Losada, P. M., Song, B., Belloy, M. E., Butler, R. R., Longo, et al  
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- **Using Alias Sampling Strategy Based on Network Embeddings to Detect Protein Complexes** *IEEE ACCESS*

Liu, X., Sang, S., Wang, X.  
2020; 8: 211773–83

- **Disease Gene Prediction Based on Heterogeneous Probabilistic Hypergraph Ranking**

Ding, F., Liu, A., Bai, C., Xu, B., Liu, X., Sang, S., Lin, H., Yang, Z., Wang, J., Kong, X., Zhao, Z., Xia, F., Yoo, et al  
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