

Hanmin Guo

Postdoctoral Scholar, Psychiatry

Bio

INSTITUTE AFFILIATIONS

- Member, Maternal & Child Health Research Institute (MCHRI)

STANFORD ADVISORS

- Alexander Urban, Postdoctoral Faculty Sponsor
- Wing H Wong, Postdoctoral Research Mentor

Publications

PUBLICATIONS

- **Improving polygenic prediction from whole-genome sequencing data by leveraging predicted epigenomic features.** *Proceedings of the National Academy of Sciences of the United States of America*
Zeng, W., Guo, H., Liu, Q., Wong, W. H.
2025; 122 (24): e2419202122
- **IMPLICATION OF COMPLEX STRUCTURAL GENOME VARIATION IN THE GENETIC ARCHITECTURE OF NEUROPSYCHIATRIC DISORDERS: INSIGHTS FROM HUMAN POPULATION ANALYSIS AND FROM POSTMORTEM BRAINS OF INDIVIDUALS WITH PSYCHIATRIC DISORDERS**
Zhou, B., Arthur, J., Guo, H., Kim, T., Huang, Y., Pattni, R., Song, G., Palejev, D., Dohna, H., Roussos, P., Kundaje, A., Hallmayer, J., Snyder, et al
ELSEVIER.2024: 93
- **Prioritizing disease-related rare variants by integrating gene expression data.** *PLoS genetics*
Guo, H., Urban, A. E., Wong, W. H.
2024; 20 (9): e1011412
- **Resolving the 22q11.2 deletion using CTLR-Seq reveals chromosomal rearrangement mechanisms and individual variance in breakpoints.** *Proceedings of the National Academy of Sciences of the United States of America*
Zhou, B., Purmann, C., Guo, H., Shin, G., Huang, Y., Pattni, R., Meng, Q., Greer, S. U., Roychowdhury, T., Wood, R. N., Ho, M., Dohna, H. Z., Abyzov, et al
2024; 121 (31): e2322834121
- **Prioritizing disease-related rare variants by integrating gene expression data.** *Research square*
Guo, H., Urban, A. E., Wong, W. H.
2024
- **Prioritizing disease-related rare variants by integrating gene expression data.** *bioRxiv : the preprint server for biology*
Guo, H., Urban, A. E., Wong, W. H.
2024
- **Detection and analysis of complex structural variation in human genomes across populations and in brains of donors with psychiatric disorders** *Cell*
Zhou, B., Arthur, J. G., Guo, H., et al
2024; Published online September 30, 2024

- **Quantifying portable genetic effects and improving cross-ancestry genetic prediction with GWAS summary statistics.** *Nature communications*
Miao, J., Guo, H., Song, G., Zhao, Z., Hou, L., Lu, Q.
2023; 14 (1): 832
- **Quantifying concordant genetic effects of de novo mutations on multiple disorders** *ELIFE*
Guo, H., Hou, L., Shi, Y., Jin, S., Zeng, X., Li, B., Lifton, R. P., Brueckner, M., Zhao, H., Lu, Q.
2022; 11
- **Minimal sigma-field for flexible sufficient dimension reduction** *ELECTRONIC JOURNAL OF STATISTICS*
Guo, H., Hou, L., Zhu, Y.
2022; 16 (1): 1997-2032
- **Detecting local genetic correlations with scan statistics** *NATURE COMMUNICATIONS*
Guo, H., Li, J. J., Lu, Q., Hou, L.
2021; 12 (1): 2033