

Binglan Li

Scientific Data Curator 2, Biomedical Data Science

Bio

PROJECTS

- Pharmacogenomics Clinical Annotation Tool (PharmCAT)

Publications

PUBLICATIONS

- **Frequencies of pharmacogenomic alleles across biogeographic groups in a large-scale biobank.** *American journal of human genetics*
Li, B., Sangkuhl, K., Whaley, R., Woon, M., Keat, K., Whirl-Carrillo, M., Ritchie, M. D., Klein, T. E.
2023
- **An Investigation of the Knowledge Overlap between Pharmacogenomics and Disease Genetics.** *Pacific Symposium on Biocomputing. Pacific Symposium on Biocomputing*
Li, B., Whirl-Carrillo, M., Wright, M. W., Babb, L., Rehm, H. L., Klein, T. E.
2022; 27: 385-396
- **Mapping the human genetic architecture of COVID-19.** *Nature*
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2021
- **From GWAS to Gene: Transcriptome-Wide Association Studies and Other Methods to Functionally Understand GWAS Discoveries.** *Frontiers in genetics*
Li, B., Ritchie, M. D.
2021; 12: 713230
- **Evaluation of PrediXcan for prioritizing GWAS associations and predicting gene expression**
Li, B., Verma, S. S., Veturi, Y. C., Verma, A., Bradford, Y., Haas, D. W., Ritchie, M. D., Altman, R. B., Dunker, A. K., Hunter, L., Ritchie, M. D., Murray, T., Klein, et al
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- **From sample to star alleles: a long-read pharmacogenomics pipeline powered by Twist target enrichment and PacBio HiFi sequencing**
Holt, S., Harting, J., Han, T., Arbiza, L., Kingan, S., Soupe, A., Zhang, S., Baybayan, P., Lambert, C., Ferrao, H., Li, B., Sangkuhl, K., Woon, et al
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- **Projecting genetic associations through gene expression patterns highlights disease etiology and drug mechanisms.** *Nature communications*
Pividori, M., Lu, S., Li, B., Su, C., Johnson, M. E., Wei, W., Feng, Q., Namjou, B., Kiryluk, K., Kullo, I. J., Luo, Y., Sullivan, B. D., Voight, et al
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- **Gene burden analysis identifies genes associated with increased risk and severity of adult-onset hearing loss in a diverse hospital-based cohort.** *PLoS genetics*
Hui, D., Mehrabi, S., Quimby, A. E., Chen, T., Chen, S., Park, J., Li, B., Regeneron Genetics Center, Penn Medicine Biobank, Ruckenstein, M. J., Rader, D. J., Ritchie, M. D., Brant, J. A., Epstein, et al
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- **Genetics of varicose veins reveals polygenic architecture and genetic overlap with arterial and venous disease** *NATURE CARDIOVASCULAR RESEARCH*
Levin, M. G., Huffman, J. E., Verma, A., Sullivan, K. A., Rodriguez, A. A., Kainer, D., Garvin, M. R., Lane, M., Cashman, M., Miller, J., Won, H., Li, B., Luo, et al
2023; 2 (1): 44+

- **Evaluating the frequency and the impact of pharmacogenetic alleles in an ancestrally diverse Biobank population.** *Journal of translational medicine*
Verma, S. S., Keat, K., Li, B., Hoffecker, G., Risan, M., Sangkuhl, K., Whirl-Carrillo, M., Dudek, S., Verma, A., Klein, T. E., Ritchie, M. D., Tuteja, S.
2022; 20 (1): 550
- **How to Run the Pharmacogenomics Clinical Annotation Tool (PharmCAT).** *Clinical pharmacology and therapeutics*
Li, B., Sangkuhl, K., Keat, K., Whaley, R. M., Woon, M., Verma, S., Dudek, S., Tuteja, S., Verma, A., Whirl-Carrillo, M., Ritchie, M. D., Klein, T. E.
2022
- **A first update on mapping the human genetic architecture of COVID-19** *NATURE*
Pathak, G. A., Polimanti, R., Karjalainen, J., Daly, M., Ganna, A., Daly, M. J., Stevens, C., Kanai, M., Liao, R. G., Trankiem, A., Balaconis, M. K., Nguyen, H., Solomonson, et al
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- **Whole-genome sequencing reveals host factors underlying critical COVID-19** *NATURE*
Kousathanas, A., Pairo-Castineira, E., Rawlik, K., Stuckey, A., Odhams, C. A., Walker, S., Russell, C. D., Malinauskas, T., Wu, Y., Millar, J., Shen, X., Elliott, K. S., Griffiths, et al
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- **A Genome-First Approach to Rare Variants in Dominant Postlingual Hearing Loss Genes in a Large Adult Population.** *Otolaryngology--head and neck surgery : official journal of American Academy of Otolaryngology-Head and Neck Surgery*
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- **How Does the "Cookie-Bite" Audiogram Shape Perform in Discriminating Genetic Hearing Loss in Adults?** *Otolaryngology--head and neck surgery : official journal of American Academy of Otolaryngology-Head and Neck Surgery*
Ahmadmehrabi, S., Li, B., Epstein, D. J., Ruckenstein, M. J., Brant, J. A.
2021: 1945998211015181
- **Tissue specificity-aware TWAS (TSA-TWAS) framework identifies novel associations with metabolic, immunologic, and virologic traits in HIV-positive adults.** *PLoS genetics*
Li, B., Veturi, Y., Verma, A., Bradford, Y., Daar, E. S., Gulick, R. M., Riddler, S. A., Robbins, G. K., Lennox, J. L., Haas, D. W., Ritchie, M. D.
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- **Genome-first approach to rare EYA4 variants and cardio-auditory phenotypes in adults.** *Human genetics*
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2021
- **Influence of tissue context on gene prioritization for predicted transcriptome-wide association studies.** *Pacific Symposium on Biocomputing. Pacific Symposium on Biocomputing*
Li, B. n., Veturi, Y. n., Bradford, Y. n., Verma, S. S., Verma, A. n., Lucas, A. M., Haas, D. W., Ritchie, M. D.
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- **Collective feature selection to identify crucial epistatic variants** *BIODATA MINING*
Verma, S. S., Lucas, A., Zhang, X., Veturi, Y., Dudek, S., Li, B., Li, R., Urbanowicz, R., Moore, J. H., Kim, D., Ritchie, M. D.
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