

Lichao Liu

Instructor, Cardiovascular Institute

Bio

ACADEMIC APPOINTMENTS

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

Publications

PUBLICATIONS

- **Inhibition of CXCL10 and IFN- γ ameliorates myocarditis in preclinical models of SARS-CoV-2 mRNA vaccination.** *Science translational medicine*
Cao, X., Manhas, A., Chen, Y. I., Caudal, A., Mondejar-Parreño, G., Zhu, W., Liu, W., Kong, X., Zeng, W., Liu, L., Zhao, S. R., Jahng, J. W., Utz, et al
2025; 17 (828): eadq0143
- **A β -hydroxybutyrate shunt pathway generates anti-obesity ketone metabolites.** *Cell*
Moya-Garzon, M. D., Wang, M., Li, V. L., Lyu, X., Wei, W., Tung, A. S., Raun, S. H., Zhao, M., Coassolo, L., Islam, H., Oliveira, B., Dai, Y., Spaas, et al
2024
- **A secondary β -hydroxybutyrate metabolic pathway linked to energy balance.** *bioRxiv : the preprint server for biology*
Moya-Garzon, M. D., Wang, M., Li, V. L., Lyu, X., Wei, W., Tung, A. S., Raun, S. H., Zhao, M., Coassolo, L., Islam, H., Oliveira, B., Dai, Y., Spaas, et al
2024
- **Exploring DNA Damage and Repair Mechanisms: A Review with Computational Insights.** *Biotech (Basel (Switzerland))*
Chen, J., Potlapalli, R., Quan, H., Chen, L., Xie, Y., Pouriyeh, S., Sakib, N., Liu, L., Xie, Y.
2024; 13 (1)
- **Deciphering pathogenicity of variants of uncertain significance with CRISPR-edited iPSCs.** *Trends in genetics : TIG*
Guo, H., Liu, L., Nishiga, M., Cong, L., Wu, J. C.
2021
- **Generation of three induced pluripotent stem cell lines, SCVli003-A, SCVli004-A, SCVli005-A, from patients with ARVD/C caused by heterozygous mutations in the PKP2 gene.** *Stem cell research*
Jahng, J. W., Black, K. E., Liu, L., Bae, H. R., Perez, M., Ashley, E. A., Sallam, K., Wu, J. C.
2021; 53: 102284
- **Generation of two heterozygous MYBPC3 mutation-carrying human iPSC lines, SCVli001-A and SCVli002-A, for modeling hypertrophic cardiomyopathy.** *Stem cell research*
Liu, L., Shenoy, S. P., Jahng, J. W., Liu, Y., Knowles, J. W., Zhuge, Y., Wu, J. C.
2021; 53: 102279
- **Genomic Repeats Categorize Genes with Distinct Functions for Orchestrated Regulation** *CELL REPORTS*
Lu, J., Shao, W., Chang, L., Yin, Y., Li, T., Zhang, H., Hong, Y., Percharde, M., Guo, L., Wu, Z., Liu, L., Liu, W., Yan, et al
2020; 30 (10): 3296-+
- **Tumor Repressor Circular RNA as a New Target for Preventative Gene Therapy Against Doxorubicin-Induced Cardiotoxicity.** *Circulation research*

Jahng, J. W., Liu, L. n., Wu, J. C.
2020; 127 (4): 483–85

- **IDH1 fine-tunes cap-dependent translation initiation** *JOURNAL OF MOLECULAR CELL BIOLOGY*

Liu, L., Lu, J., Li, F., Xing, X., Li, T., Yang, X., Shen, X.
2019; 11 (10): 816-828

- **Insight into novel RNA-binding activities via large-scale analysis of lncRNA-bound proteome and IDH1-bound transcriptome** *NUCLEIC ACIDS RESEARCH*

Liu, L., Li, T., Song, G., He, Q., Yin, Y., Lu, J., Bi, X., Wang, K., Luo, S., Chen, Y., Yang, Y., Sun, B., Yang, et al
2019; 47 (5): 2244-2262

- **Mouse knockout models reveal largely dispensable but context-dependent functions of lncRNAs during development** *JOURNAL OF MOLECULAR CELL BIOLOGY*

Han, X., Luo, S., Peng, G., Lu, J., Cui, G., Liu, L., Yan, P., Yin, Y., Liu, W., Wang, R., Zhang, J., Ai, S., Chang, et al
2018; 10 (2): 175-178

- **Divergent lncRNAs Regulate Gene Expression and Lineage Differentiation in Pluripotent Cells** *CELL STEM CELL*

Luo, S., Lu, Y., Liu, L., Yin, Y., Chen, C., Han, X., Wu, B., Xu, R., Liu, W., Yan, P., Shao, W., Lu, Z., Li, et al
2016; 18 (5): 637-652