

## Mingyu Han

Postdoctoral Scholar, Immunity Transplant Infection

### Bio

---

#### PROFESSIONAL EDUCATION

- PhD, Université Paris Cité , Infectology (2023)
- M.SC, University College Dublin , Biotherapeutics (2017)
- BEng, China pharmaceutical university , Bioengineering (2014)
- Diploma, China Pharmaceutical University , Business (2013)

#### STANFORD ADVISORS

- Taia Wang, Postdoctoral Faculty Sponsor

### Publications

---

#### PUBLICATIONS

- **Genetically informed causal links between gut microbiota and bone mass: pleiotropy and metabolic mediation.** *Nature communications*  
Guan, P. L., Yuan, C. D., Han, M. Y., Fang, Y. H., Yu, C. F., Zhao, P. P., Qian, Y., Xia, J. W., Wei, P., Liu, C. R., Yang, M. Y., Xu, W., Cheung, et al  
2025
- **Spermine and spermidine bind CXCR4 and inhibit CXCR4- but not CCR5-tropic HIV-1 infection.** *Science advances*  
Harms, M., Smith, N., Han, M., Groß, R., von Maltitz, P., Stürzel, C., Ruiz-Blanco, Y. B., Almeida-Hernández, Y., Rodriguez-Alfonso, A., Cathelin, D., Caspar, B., Tahar, B., Sayettat, et al  
2023; 9 (27): eadf8251
- **Mechanisms of HIV-1 cell-to-cell transfer to myeloid cells.** *Journal of leukocyte biology*  
Han, M., Woottum, M., Mascarau, R., Vahlas, Z., Verollet, C., Benichou, S.  
2022; 112 (5): 1261-1271
- **HIV-1 cell-to-cell spread overcomes the virus entry block of non-macrophage-tropic strains in macrophages.** *PLoS pathogens*  
Han, M., Cantaloube-Ferrieu, V., Xie, M., Armani-Tourret, M., Woottum, M., Pagès, J. C., Colin, P., Lagane, B., Benichou, S.  
2022; 18 (5): e1010335
- **Virus-Mediated Cell-Cell Fusion.** *International journal of molecular sciences*  
Leroy, H., Han, M., Woottum, M., Bracq, L., Bouchet, J., Xie, M., Benichou, S.  
2020; 21 (24)
- **Comprehensive assessment of the association between genes on JAK-STAT pathway (IFIH1, TYK2, IL-10) and systemic lupus erythematosus: a meta-analysis.** *Archives of dermatological research*  
Yin, Q., Wu, L. C., Zheng, L., Han, M. Y., Hu, L. Y., Zhao, P. P., Bai, W. Y., Zhu, X. W., Xia, J. W., Wang, X. B., Zhang, X. W., Zheng, H. F.  
2018; 310 (9): 711-728
- **A regulatory mutant on TRIM26 conferring the risk of nasopharyngeal carcinoma by inducing low immune response.** *Cancer medicine*  
Lyu, X. M., Zhu, X. W., Zhao, M., Zuo, X. B., Huang, Z. X., Liu, X., Jiang, T., Yang, X. X., Li, X., Long, X. B., Wang, J. G., Li, J. B., Han, et al  
2018; 7 (8): 3848-3861
- **Associations between PTPN22 and TLR9 polymorphisms and systemic lupus erythematosus: a comprehensive meta-analysis.** *Archives of dermatological research*

Hu, L. Y., Cheng, Z., Zhang, B., Yin, Q., Zhu, X. W., Zhao, P. P., Han, M. Y., Wang, X. B., Zheng, H. F.  
2017; 309 (6): 461-477