

Stanford



Xiaohao Wu

Postdoctoral Scholar, Immunology and Rheumatology

 Curriculum Vitae available Online

Bio

HONORS AND AWARDS

- Young Investigator Award, American Society of Bone and Mineral Research (2025)
- Dean's Fellowship, Stanford University (2024)
- Translational and Applied Medicine Pilot Grant, Stanford University (2024)
- Summa Cum Laude Graduate, Southern University of Science and Technology (2023)

BOARDS, ADVISORY COMMITTEES, PROFESSIONAL ORGANIZATIONS

- Topic Editor, Frontiers in Cell and Developmental Biology (2024 - present)
- Youth Committee Member of Editorial Board, Journal of Orthopaedic Translation (2024 - present)

PROFESSIONAL EDUCATION

- Master of Science, Hong Kong Baptist University - Ho Sin Hang Campus (2015)
- Doctor of Philosophy, Southern University of Science & Technology (2023)
- Ph.D, Southern University of Science and Technology (2023)
- M.Sc, Hong Kong Baptist University (2015)

STANFORD ADVISORS

- William Robinson, Postdoctoral Faculty Sponsor

Research & Scholarship

LAB AFFILIATIONS

- William Robinson, Robinson Lab (8/1/2023)

Publications

PUBLICATIONS

- **Loss of Pinch Proteins Causes Severe Degenerative Disc Disease-Like Lesions in Mice** *AGING AND DISEASE*
Wu, X., Chen, M., Lin, S., Chen, S., Gu, J., Wu, Y., Qu, M., Gong, W., Yao, Q., Li, H., Zou, X., Chen, D., Xiao, et al
2023
- **Osteoarthritis: pathogenic signaling pathways and therapeutic targets** *SIGNAL TRANSDUCTION AND TARGETED THERAPY*
Yao, Q., Wu, X., Tao, C., Gong, W., Chen, M., Qu, M., Zhong, Y., He, T., Chen, S., Xiao, G.
2023; 8 (1): 56

- **Kindlin-2 loss in condylar chondrocytes causes spontaneous osteoarthritic lesions in the temporomandibular joint in mice** *INTERNATIONAL JOURNAL OF ORAL SCIENCE*
Lai, Y., Zheng, W., Qu, M., Xiao, C. C., Chen, S., Yao, Q., Gong, W., Tao, C., Yan, Q., Zhang, P., Wu, X., Xiao, G.
2022; 14 (1): 33
- **Kindlin-2 preserves integrity of the articular cartilage to protect against osteoarthritis** *NATURE AGING*
Wu, X., Lai, Y., Chen, S., Zhou, C., Tao, C., Fu, X., Li, J., Tong, W., Tian, H., Shao, Z., Liu, C., Chen, D., Bai, et al
2022; 2 (4): 332-+
- **Exosomal transfer of osteoclast-derived miRNAs to chondrocytes contributes to osteoarthritis progression** *NATURE AGING*
Liu, J., Wu, X., Lu, J., Huang, G., Dang, L., Zhang, H., Zhong, C., Zhang, Z., Li, D., Li, F., Liang, C., Yu, Y., Zhang, et al
2021; 1 (4): 368-+
- **Comparison of Kindlin-2 deficiency-stimulated osteoarthritis-like lesions induced by Prg4CreERT2 versus AggrecanCreERT2 transgene in mice** *JOURNAL OF ORTHOPAEDIC TRANSLATION*
Yao, Q., Gong, W., Wu, X., Gan, D., Tao, C., Lin, S., Qu, M., Ouyang, Z., Chen, M., Hu, X., Xiao, G.
2023; 41: 12-19
- **Pip5k1c Loss in Chondrocytes Causes Spontaneous Osteoarthritic Lesions in Aged Mice** *AGING AND DISEASE*
Qu, M., Chen, M., Gong, W., Huo, S., Yan, Q., Yao, Q., Lai, Y., Chen, D., Wu, X., Xiao, G.
2023; 14 (2): 502-514
- **Brief research report: Effects of Pinch deficiency on cartilage homeostasis in adult mice** *FRONTIERS IN CELL AND DEVELOPMENTAL BIOLOGY*
Wu, X., Lin, S., Liao, R., Yao, Q., Lin, L., Zou, X., Xiao, G.
2023; 11: 1116128
- **A Rapid Protocol for Direct Isolation of Osteoclast Lineage Cells from Mouse Bone Marrow.** *Bio-protocol*
Dang, L., Li, N., Wu, X., Li, D., Zhang, Z., Zhang, B. T., Lyu, A., Chen, L., Zhang, G., Liu, J.
2022; 12 (5): e4338
- **Kindlin-2 inhibits Nlrp3 inflammasome activation in nucleus pulposus to maintain homeostasis of the intervertebral disc** *BONE RESEARCH*
Chen, S., Wu, X., Lai, Y., Chen, D., Bai, X., Liu, S., Wu, Y., Chen, M., Lai, Y., Cao, H., Shao, Z., Xiao, G.
2022; 10 (1): 5
- **Global, regional and national burden of low back pain 1990-2019: A systematic analysis of the Global Burden of Disease study 2019** *JOURNAL OF ORTHOPAEDIC TRANSLATION*
Chen, S., Chen, M., Wu, X., Lin, S., Tao, C., Cao, H., Shao, Z., Xiao, G.
2022; 32: 49-58
- **Kindlin-2 deletion in osteoprogenitors causes severe chondrodysplasia and low-turnover osteopenia in mice** *JOURNAL OF ORTHOPAEDIC TRANSLATION*
Wu, X., Qu, M., Gong, W., Zhou, C., Lai, Y., Xiao, G.
2022; 32: 41-48
- **Increased PLEKHO1 within osteoblasts suppresses Smad-dependent BMP signaling to inhibit bone formation during aging** *AGING CELL*
Liu, J., Liang, C., Guo, B., Wu, X., Li, D., Zhang, Z., Zheng, K., Dang, L., He, X., Lu, C., Peng, S., Pan, X., Zhang, et al
2017; 16 (2): 360-376
- **Molecular Insight into Gut Microbiota and Rheumatoid Arthritis** *INTERNATIONAL JOURNAL OF MOLECULAR SCIENCES*
Wu, X., He, B., Liu, J., Feng, H., Ma, Y., Li, D., Guo, B., Liang, C., Dang, L., Wang, L., Tian, J., Zhu, H., Xiao, et al
2016; 17 (3): 431