

Qi Gao

Postdoctoral Scholar, Orthopedic Surgery

Bio

STANFORD ADVISORS

- Stuart Goodman, Postdoctoral Faculty Sponsor
- Stuart Goodman, Postdoctoral Research Mentor

Publications

PUBLICATIONS

- **Experimental models to study osteoarthritis pain and develop therapeutics.** *Osteoarthritis and cartilage open*
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- **Differential dynamics of bone graft transplantation and mesenchymal stem cell therapy during bone defect healing in a murine critical size defect.** *Journal of orthopaedic translation*
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2022; 36: 64-74
- **Therapeutic effects of MSCs, genetically modified MSCs, and NFkB-inhibitor on chronic inflammatory osteolysis in aged mice.** *Journal of orthopaedic research : official publication of the Orthopaedic Research Society*
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- **Human Mesenchymal Stem Cell-Derived Miniature Joint System for Disease Modeling and Drug Testing.** *Advanced science (Weinheim, Baden-Wuerttemberg, Germany)*
Li, Z., Lin, Z., Liu, S., Yagi, H., Zhang, X., Yocum, L., Romero-Lopez, M., Rhee, C., Makarczyk, M. J., Yu, I., Li, E. N., Fritch, M. R., Gao, et al
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- **Novel Techniques and Future Perspective for Investigating Critical-Size Bone Defects.** *Bioengineering (Basel, Switzerland)*
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- **Macrophages Modulate the Function of MSC- and iPSC-Derived Fibroblasts in the Presence of Polyethylene Particles.** *International journal of molecular sciences*
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- **Effect on Osteogenic Differentiation of Genetically Modified IL4 or PDGF-BB Over-Expressing and IL4-PDGF-BB Co-Over-Expressing Bone Marrow-Derived Mesenchymal Stromal Cells In Vitro.** *Bioengineering (Basel, Switzerland)*
Tsubosaka, M., Maruyama, M., Huang, E. E., Zhang, N., Utsunomiya, T., Gao, Q., Shen, H., Li, X., Kushioka, J., Hirata, H., Yao, Z., Yang, Y. P., Goodman, et al
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- **The effect of genetically modified platelet-derived growth factor-BB over-expressing mesenchymal stromal cells during core decompression for steroid-associated osteonecrosis of the femoral head in rabbits.** *Stem cell research & therapy*
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- **The Effects of Macrophage Phenotype on Osteogenic Differentiation of MSCs in the Presence of Polyethylene Particles** *BIOMEDICINES*
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